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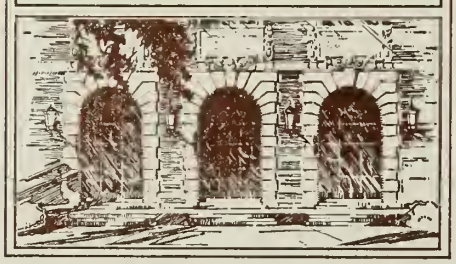

FEDERAL-STATE-PRIVATE
COOPERATIVE SNOW SURVEYS

WATER SUPPLY OUTLOOK FOR IDAHO

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Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JAN. 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

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WATER SUPPLY OUTLOOK FOR IDAHO

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FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR JANUARY 1, 1972

Snowpack accumulation throughout the entire State of Idaho has been well above normal for the 1971-72 season. In a few cases, snow-water equivalent as of January 1 is at an all-time high for this time of year. Snow cover as compared to normal ranges from 115% on Montpelier Creek in southeastern Idaho to a high of 365% of average on the Palouse drainage in northern Idaho.

In general, soil moisture is very good due to fall rains which primed the soil prior to snow accumulation. Temperatures during December were below normal in most areas and resulted in frozen soils primarily at lower and intermediate elevations.

Carryover reservoir storage is excellent as a result of the above normal runoff experienced in the 1971 irrigation season. The Salmon Falls reservoir and Oakley reservoir in southern Idaho have the highest carryover contents experienced in the last 30 years. Due to the early snow accumulation and high carryover storage, plans are being made to lower many reservoirs to make room for anticipated runoff.

Many low elevation drainages in southern and eastern Idaho have a combination of moist and frozen soil and unusually heavy snow cover. On

these drainages there is a possibility of extremely high, fast run-off if a chinook wind or warm rainy period occurs in the next few weeks.

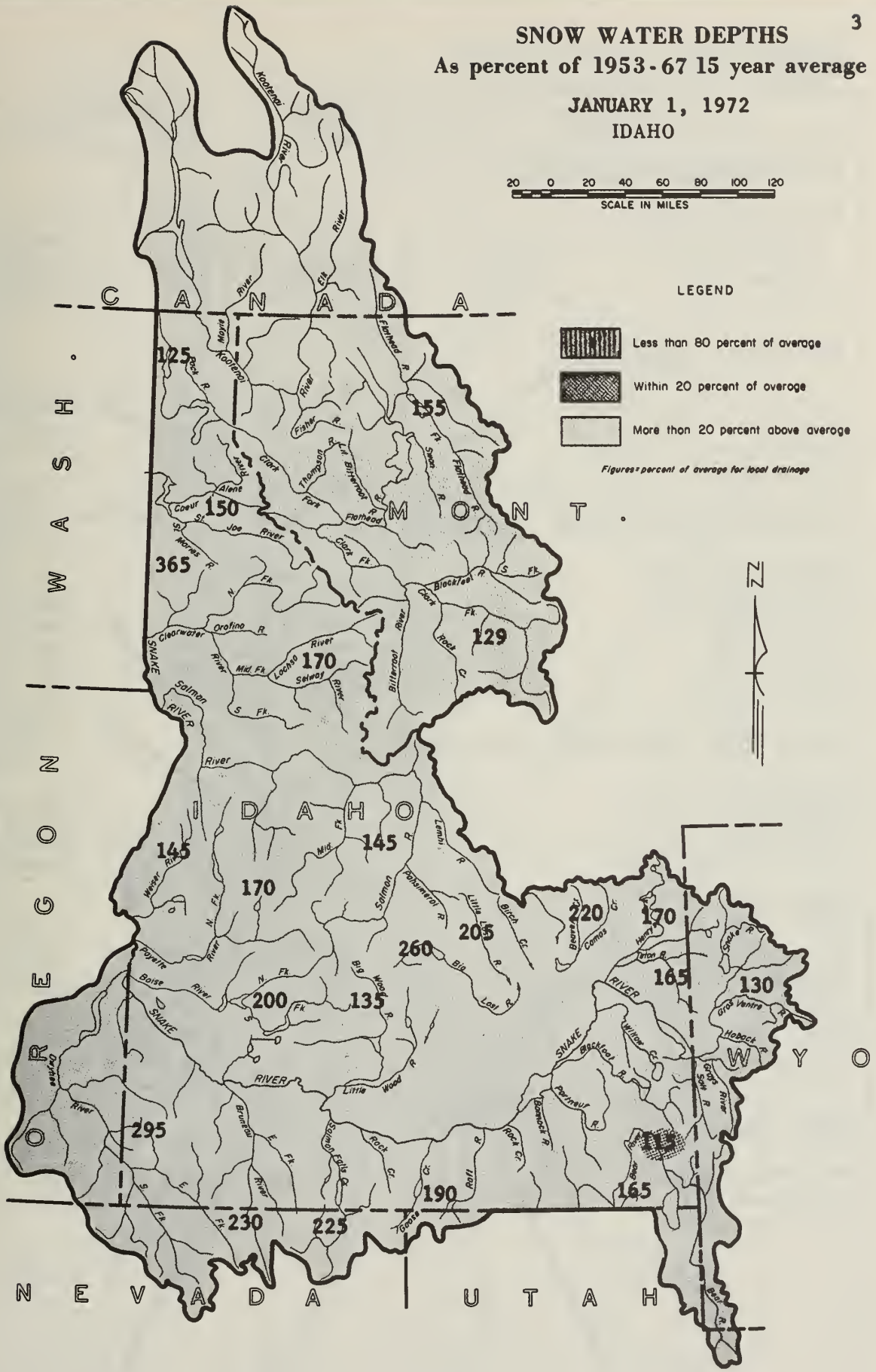
Idaho may be in for another record snow year, equal to or exceeding last year. If the present trend continues, an excellent water supply is forecast for the 1972 irrigation season.

SNOW WATER DEPTHS

As percent of 1953-67 15 year average

JANUARY 1, 1972

IDAHO



U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

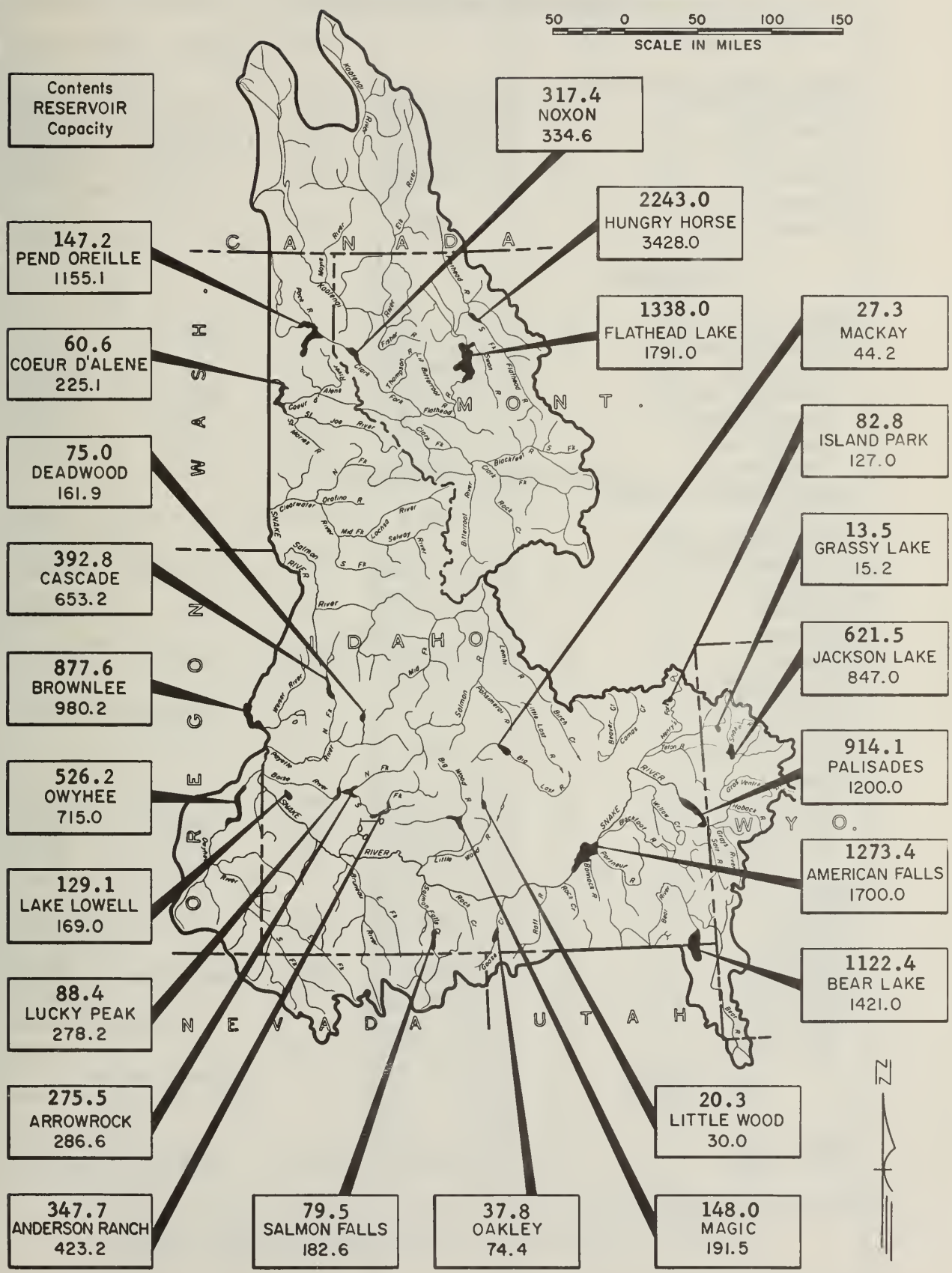
COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Pend Oreille River	23	109	136
Clark Fork River	16	118	129
Flathead River	3	117	155
Priest River	2-4	100	125
Spokane River	2-3	115	150
LOWER SNAKE RIVER BASIN			
Palouse River	5	275	365
Clearwater River	4-10	130	170
Salmon River	8-18	95	145
Lemhi River	6	105	--
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	130	205
Big Lost River	1-3	85	260
Big Wood River	5-6	80	135
Boise River	4-6	100	200
Payette River	7-8	85	170
Weiser River	1	80	145
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	1	135	190
Salmon Falls Creek	3-4	155	225
Bruneau River	1	120	230
Owyhee River - Idaho	2	120	295
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	15	90	130
Camas-Beaver Creeks	2	80	220
Henrys Fork River	5-6	85	170
Teton River	2-3	120	165
Blackfoot River	2	140	--
Portneuf River	4	185	--
GREAT BASIN			
Montpelier Creek	4	80	115
Mink Creek	1	100	165
Cub River	2	120	--

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1972



RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1955-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2243.0	2271.0	2766.0*
Flathead	1791.0	1338.0	1282.0	1330.0
Pend Oreille	1155.1	147.2	143.7	515.4
Noxon	334.6	317.4	324.4	321.1*
Spokane				
Coeur d'Alene	225.1	60.6	63.5	153.2
SNAKE BASIN				
Snake				
Jackson Lake	847.0	621.5	579.4	423.4
Palisades	1200.0	914.1	972.5	634.0*
American Falls	1700.0	1273.4	1230.8	1029.7
Island Park	127.0	82.8	109.4	76.2
Grassy Lake	15.2	13.5	11.9	10.2
Brownlee	980.2	877.6	800.8	773.2*
Goose-Trapper Creeks				
Oakley	74.4	37.8	22.9	11.2
Salmon Falls Creek				
Salmon Falls	182.6	79.5	34.3	19.9
Big Lost				
Mackay	44.2	27.3	32.7	25.4
Big Wood				
Magic	191.5	148.0	116.0	87.2
Little Wood				
Little Wood	30.0	20.3	16.1	8.5*
Fish Creek				
Carey Valley	14.4	7.0	6.5	--
Boise				
Anderson Ranch	423.2	347.7	346.0	250.0
Arrowrock	286.6	275.5	267.9	197.5
Lucky Peak	278.2	88.4	102.0	58.0*
Lake Lowell (Deer Flat)	169.0	129.1	124.0	93.0
Owyhee				
Owyhee	715.0	526.2	581.8	330.8
Payette				
Cascade	653.2	392.8	446.0	283.8
Deadwood	161.9	75.0	85.2	63.5
Weiser				
Mann Creek	11.1	1.7	--	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1122.4	1109.1	845.0

*Period of Record.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	12/30	18	3.8	5.9	3.2
Benton Spring	4900	12/29	42	11.1	9.0	8.6
#Mosquito Ridge (SP)	5110	1/1	--	19.0	--	--
Schweitzer Bowl	4500	12/30	69	18.8	17.2	--
Schweitzer Ridge	6100	12/30	89	26.7	28.0	--
SPOKANE RIVER						
Above Burke	4100	1/2	59	14.0	--	--
Above Burke (SP)	4100	1/2	--	13.8	--	--
Fourth of July Summit	3100	12/30	38	9.8	6.0	3.5*
Lookout	5250	12/29	78	19.4	21.8	15.7
Lookout (SP)	5250	12/29	--	19.4	--	--
Mosquito Ridge (SP)	5110	1/1	--	19.0	--	--
Sherwin	3200	12/29	49	11.4	6.8	--
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	12/30	42	10.2	3.8	2.5*
East Twin	4050	12/30	44	12.0	2.6	3.9*
Howard Creek	3450	12/30	34	8.6	4.1	1.6*
Moscow Mountain	4400	12/30	60	17.3	7.5	5.9*
West Twin	4250	12/30	45	13.5	4.1	3.0*
CLEARWATER RIVER						
Above Greer	1240	1/3	T	T	--	--
Cayuse Airstrip	3700	12/27	48	14.0	--	3.6*
Cottonwood Butte	5140	12/30	40	10.4	5.0	--
Crater Meadows (A)	6100	12/27	94	28.2	--	--
Crooked Fork	3800	12/28	35	8.6	6.1	--
Fish Lake Airstrip (A)	5000	12/24	96	25.0	--	16.8*
Greer Summit	3000	1/3	8	2.2	--	--
Hemlock Butte (A)	5500	12/27	132	39.6	--	--
#Hoodoo Basin Mont.	6000	1/4	95	28.5	25.2	--
#Hoodoo Creek Mont.	5900	1/4	92	27.5	23.4	18.0
Lolo Pass	5230	12/28	64	16.7	16.0	--
Lower Snowhaven	5250	12/30	54	14.0	8.6	--
Midway	2200	1/3	8	1.8	T	--
Pierce Ranger Station	3170	1/1	45	10.2	5.4	4.3*
Powell Ranger Station	4230	12/28	31	7.4	6.2	--
Savage Pass	6600	12/27	49	12.4	12.7	--
Shanghai Summit (A)	4600	12/27	75	19.5	--	--
Upper Snowhaven	5600	12/30	54	15.2	9.2	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
SALMON RIVER						
Big Creek Summit	6600	12/28	72	19.5	22.7	17.0*
#Boulder Creek	5500	12/29	58	14.2	18.0	9.7*
Brundage Mountain	7560	12/29	90	25.5	30.8	--
Chapman Creek	4215	12/30	21	4.3	1.5	1.5*
#Deadwood Summit	7000	12/28	81	21.0	--	--
#Galena Summit	8795	12/28	58	13.4	15.8	9.9
#Gibbons Pass Mont.	7100	12/29	46	12.0	12.9	9.6
Johns Creek	3805	12/30	14	2.9	1.0	1.1*
Mill Creek Summit	8870	12/30	48	12.1	14.0	--
Moose Creek	6200	1/2	44	9.8	8.0	--
Morgan Creek	7580	12/30	36	8.7	8.4	--
#Rock Flat Summit	5200	12/29	44	11.4	12.8	6.6
Whitebird Summit	4390	12/30	27	6.2	2.8	2.2*
Lemhi River						
Above Gilmore	8200	12/28	32	6.4	5.6	--
Aspen-Hall Pass	8110	12/29	28	5.6	3.7	--
Copes Camp	7500	12/27	26	3.9	4.3	--
Gertson Creek (A)	8050	1/3	22	4.4	--	--
Hall Creek	7560	12/29	18	3.5	1.9	--
Meadow Lake	9100	12/28	48	12.0	11.5	--
Schwartz Lake	8500	12/27	31	5.6	7.3	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	12/30	10.1	9.8	8.2
Lookout	5250	48	11.0	12/29	6.8	8.2	7.4
CLEARWATER RIVER							
Brown	3100	36	6.7	1/3	5.7	6.0	5.6
Midway	2200	36	6.1	1/3	5.0	4.9	5.0
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	12/31	4.6	5.8	4.4
Lemhi River							
Above Gilmore	8200	60	5.4	12/28	4.0	2.8	2.4
Meadow Lake	9100	48	4.4	12/28	2.4	2.4	1.9

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

0550-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	12/27	18	3.8	3.3	1.6*
Lost Garfield	6600	12/27	18	4.1	2.0	1.5*
Moonshine	7450	12/27	35	8.1	6.6	4.8*
Sawmill Canyon	6900	12/27	29	7.4	4.9	3.5*
Wet Creek Summit	7600	12/28	42	9.2	7.8	4.3*
BIG LOST RIVER						
Iron Bog	7650	12/29	35	7.6	9.8	--
Leadbelt	6800	12/29	28	5.7	7.1	--
White Knob	7700	12/30	33	7.5	7.2	2.9*
BIG WOOD RIVER						
#Couch Summit	6950	12/27	38	9.0	12.6	--
Galena	7300	12/27	44	10.0	12.7	7.8
Galena Summit	8795	12/28	58	13.4	15.8	9.9
Graham Ranch	6200	12/29	32	6.6	11.4	5.6
Mount Baldy	9000	12/29	48	10.7	15.2	8.8
Soldier Ranger Station	6100	12/27	34	8.8	7.6	4.3*
BOISE RIVER						
Bad Bear	5500	12/29	42	11.0	8.2	4.9*
#Bogus Basin	6120	12/30	65	19.0	15.7	8.1
Couch Summit	6950	12/27	38	9.0	12.6	--
Moores Creek Summit	6100	12/29	74	20.2	19.0	12.3
#Soldier Ranger Station	6100	12/27	34	8.8	7.6	4.3*
Trinity Mountain	7780	12/30	71	20.3	24.2	--
PAYETTE RIVER						
#Big Creek Summit	6600	12/28	72	19.5	22.7	17.0*
Bogus Basin	6120	12/30	65	19.0	15.7	8.1
#Brundage Mountain	7560	12/29	90	25.5	30.8	--
Cozy Cove	5900	12/27	50	12.0	14.8	5.9
Crawford Ranger Station	4800	12/28	22	5.5	8.1	2.7*
Deadwood Airstrip	5440	12/27	46	11.4	14.7	5.6*
Deadwood Dam	5290	12/27	48	11.2	14.1	6.5
Deadwood Summit	7000	12/28	81	21.0	--	--
Deadwood Summit (SP)	7000	12/28	--	20.5	--	--
Rock Flat Summit	5200	12/29	44	11.4	12.8	6.6
WEISER RIVER						
Boulder Creek	5500	12/29	58	14.2	18.0	9.7*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

0004-SCS-PORTLAND, OREG. 1971

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	12/27	7.7	7.5	7.3
Wet Creek Summit	8175	48	17.1	12/28	12.4	13.0	12.4
BIG WOOD RIVER							
Galena	7300	48	10.1	10/28	4.6*	5.8	4.2
Galena Summit	8795	48	5.8	10/28	1.7*	Frozen	1.7
BOISE RIVER							
Bogus Basin	6120	48	13.1	12/15	9.3	--	7.5
Bogus Basin Road	4830	48	7.1	12/15	5.0	5.7	4.7

* Fall Measurement

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE							
RAFT RIVER							
Howell Canyon		8000	12/29	60	17.9	13.3	9.4*
GOOSE CREEK							
Badger Gulch		6660	12/28	34	9.7	--	3.3*
SALMON FALLS CREEK							
#Bear Creek (A)	Nev.	7800	1/4	44	12.8	--	6.6*
Cedar Creek (A)		7000	1/4	28	8.0	--	--
Deadline		6900	12/27	65	19.4	10.6	8.1*
Goat Creek	Nev.	8800	12/28	44	12.3	--	6.8*
#Hummingbird Springs (A)	Nev.	8945	1/4	45	13.1	--	7.0*
Magic Mountain		6700	12/27	53	15.5	8.8	6.3*
#Pole Creek R. S.	Nev.	8330	12/28	51	14.9	12.4	6.5*
Red Point (A)	Nev.	7940	1/4	36	10.1	--	2.8*
Shoshone Basin		5740	12/27	28	8.0	--	--
Wilson Creek (A)		7500	1/4	44	12.8	--	--
BRUNEAU RIVER							
Bear Creek (A)	Nev.	7800	1/4	44	12.8	--	6.6*
Hummingbird Springs (A)	Nev.	8945	1/4	45	13.1	--	7.0*
Pole Creek R. S.	Nev.	8330	12/28	51	14.9	12.4	6.5*
#Seventy-six Creek (A)	Nev.	7100	1/4	27	8.0	--	--
OWYHEE RIVER							
#Seventy-six Creek (A)	Nev.	7100	1/4	27	8.0	--	--
Silver City		6400	12/28	47	14.2	11.1	4.9*
South Mountain		6340	12/27	38	11.1	10.0	3.6*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	STATION ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	SOIL MOISTURE (Inches) THIS YEAR	SOIL MOISTURE (Inches) LAST YEAR	SOIL MOISTURE (Inches) 2 YEARS AGO
RAFT RIVER							
Conner Pass	5700	36	9.8	12/29	6.4	--	8.2
Howell Canyon	8000	48	11.5	12/29	6.7	9.0	7.1
Sheep Hollow	6200	36	7.5	10/13	2.5*	--	--
Sublett	6000	36	7.0	10/14	5.0*	--	--
GOOSE CREEK							
Badger Gulch	6660	36	7.0	12/28	5.9	--	--
SALMON FALLS CREEK							
Deadline	6900	36	7.4	12/27	5.9	6.7	6.1
Patrick Ranch	5720	36	7.7	12/28	5.9	4.5	4.6
Pole Creek R.S.	8330	48	9.7	12/28	8.2	6.6	5.2

* Fall Measurement

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survay	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	12/28	34	8.0	9.7	3.5
Kilgore	6200	12/30	36	7.5	9.6	3.5*
HENRYS FORK RIVER						
Big Springs	6500	12/27	59	12.4	14.6	7.2
Grassy Lake Wyo.	7230	12/28	76	18.9	22.1	13.4
Island Park	6315	12/27	51	10.6	11.3	5.6
Sawtelle Mountain	8715	12/28	74	20.7	24.6	--
Targhee Pass	7000	12/28	44	10.0	12.1	5.1*
Valley View	6500	12/28	47	10.8	12.2	5.3
TETON RIVER						
Freds Mountain	8000	12/30	62	15.5	13.1	--
Pine Creek Pass	6750	12/30	44	10.7	8.3	6.0*
State Line	6400	12/30	31	8.3	7.1	5.4
WILLOW CREEK						
Bone	6200	12/29	27	6.9	4.4	--
Ozone	5800	12/29	12	2.8	T	--
SAND CREEK						
Henry Creek	5650	12/28	15	5.0	2.8	--
Taylor Mountain	6500	12/28	30	8.5	4.1	--
BLACKFOOT RIVER						
China Hat	6300	1/3	18	5.4	2.8	--
Somsen Ranch	7000	1/3	41	10.1	8.3	--
PORTNEUF RIVER						
Cove	5525	1/3	22	5.6	2.5	--
Lower Pebble	5800	1/3	40	11.5	5.9	--
Moser	5950	1/3	24	5.5	4.0	--
North Bancroft #2	5430	1/3	8	2.2	1.0	--
Pebble Creek	6550	1/3	40	11.7	--	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	12/27	8.2	8.3	7.6
Valley View	6500	48	13.3	12/28	7.2	Frozen	3.8
TETON RIVER							
Pine Creek Pass	6750	48	13.3	12/30	11.6	12.4	10.2
State Line	6400	48	14.8	12/30	12.6	15.5	10.7
Teton Pass	8500	48	10.5	12/30	9.8	8.9	7.3*
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	1/3	6.8	8.5	4.2
Pebble Creek	6550	48	7.2	1/3	5.4	4.0*	3.8

* Fall Measurement

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	12/29	58	14.9	14.5	8.9*
Montpelier Creek						
Giveout	6840	12/30	32	6.5	7.7	5.0*
Little Beaver	6970	12/30	35	6.6	9.2	6.4*
Montpelier Creek	6570	12/30	21	4.1	4.8	4.1*
Whiskey Flat	6985	12/30	27	5.4	6.8	4.3*
Mink Creek						
#Emigrant Summit	7350	12/29	58	14.9	14.5	8.9*
Cub River						
Cub River R. S.	5400	12/30	25	5.4	3.6	--
Willow Flat	6100	12/30	35	9.0	8.2	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	12/29	6.3	5.8	6.2
Strawberry Creek	5800	48	12.7	12/29	10.1	--	7.3
Montpelier Creek							
Jenson Ranch	6580	48	18.7	12/30	6.6	6.6	8.7

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agricultural Research Service

U. S. Department of Commerce
Environmental Sciences Service Administration, Weather Bureau

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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WATER SUPPLY OUTLOOK FOR IDAHO

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AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
FEB. 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA-SCS PORTLAND, OREG 1970

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Acting Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR FEBRUARY 1, 1972

Snowfall thus far in the 1971-72 season has been well above normal throughout Idaho. As of February 1, 69 snow courses in the state measured snow-water equivalent equal to or exceeding the April 1 average. April 1 is, in practically all cases, the maximum accumulation for the winter season. Thirty-four courses recorded new records for February 1. Snowpack water content varies from a low of 120% of average on the Little Wood drainage to a high of 245% of normal on the Raft River-Goose Creek watersheds.

Valley precipitation for the period November 1971 through January 1972 has been above normal for all divisions of the state.

Soil moisture ranges from near normal to above average on all major drainages. Soils are not frozen beneath the snowpack except in isolated instances.

In general, carryover reservoir storage remains high in relation to normal; however, many reservoirs are now being lowered in anticipation of above normal runoff during the melt season.

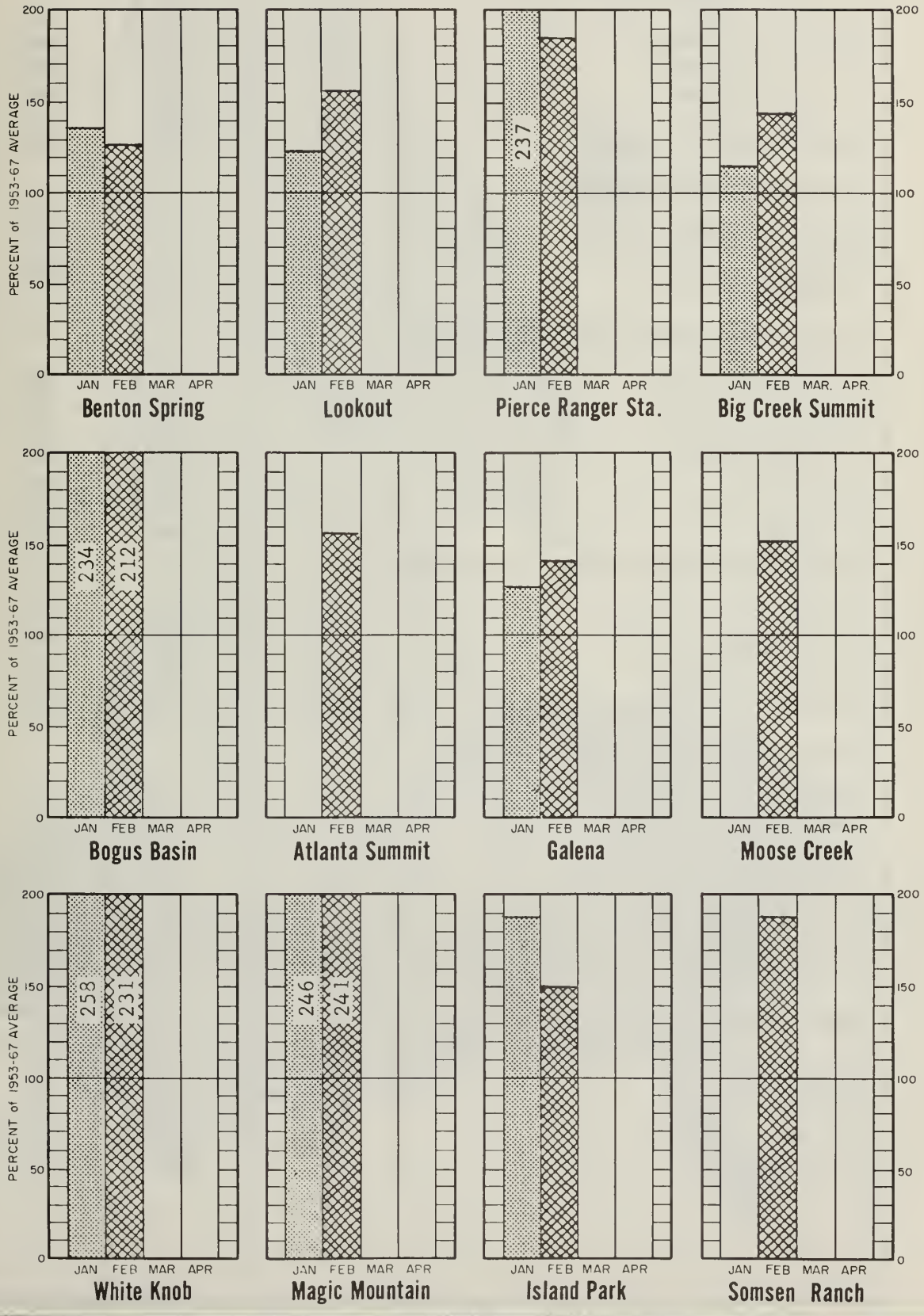
Streamflow forecasts at key gaging stations for the April-September period range from 124% of average for the Kootenai River at Leonia to 150% of normal for the Inflow to Magic Reservoir on the Big Wood drainage and the Boise River near Boise. Inflow to Lake Owyhee on the Owyhee River is forecast at 233% of average. Prospect for water supply is good to excellent throughout the state.

A few low elevation watersheds produced flooding during a warm spell in January and the potential is still present for additional rapid, high volume runoff on several streams. Warm temperatures, rain, or a combination of these factors, would cause many low elevation watersheds to be vulnerable to this condition.

Considerable ice has formed in the upper reaches of many streams and rivers, posing the possibility of ice jams downstream in the event of a warming trend or rain and resulting increased flow. Thought should be given to possible protective measures for bridge pilings and other structures and/or flooding which often results when ice jams occur.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1953-67 15 Yr. Average

FEBRUARY 1, 1972



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	10	134	144
Pend Oreille River	33	118	163
Clark Fork River	22	120	160
Flathead River	11	120	164
Priest River	2-4	100	120
Spokane River	3-5	115	165
LOWER SNAKE RIVER BASIN			
Palouse River	5	195	195
Clearwater River	7-24	120	170
Salmon River	11-18	95	145
Lemhi River	6	100	--
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	100	155
Big Lost River	3-5	70	165
Little Wood River	3-4	65	120
Big Wood River	6	85	140
Boise River	10	100	180
Payette River	8	95	155
Weiser River	1	80	155
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	2	140	240
Goose-Trapper Creeks	1	195	285
Salmon Falls Creek	9-10	135	215
Bruneau River	4	130	230
Owyhee River - Idaho, Nevada	6-14	175	240
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	23	95	155
Camas-Beaver Creeks	2	75	160
Medicine Lodge Creek	2	85	180
Henrys Fork River	11-12	90	140
Teton River	2-3	125	170
Willow-Sand Creeks	8	160	--
Blackfoot River	4	105	185
Portneuf River	3-8	110	205
GREAT BASIN			
Bear River	2-5	90	160
Montpelier Creek	4-5	105	200
Mink Creek	4-7	80	160
Cub River	2	85	150
Malad River	2-6	120	215

SNOW WATER DEPTHS

As percent of 1953-67 15 year average

FEBRUARY 1, 1972

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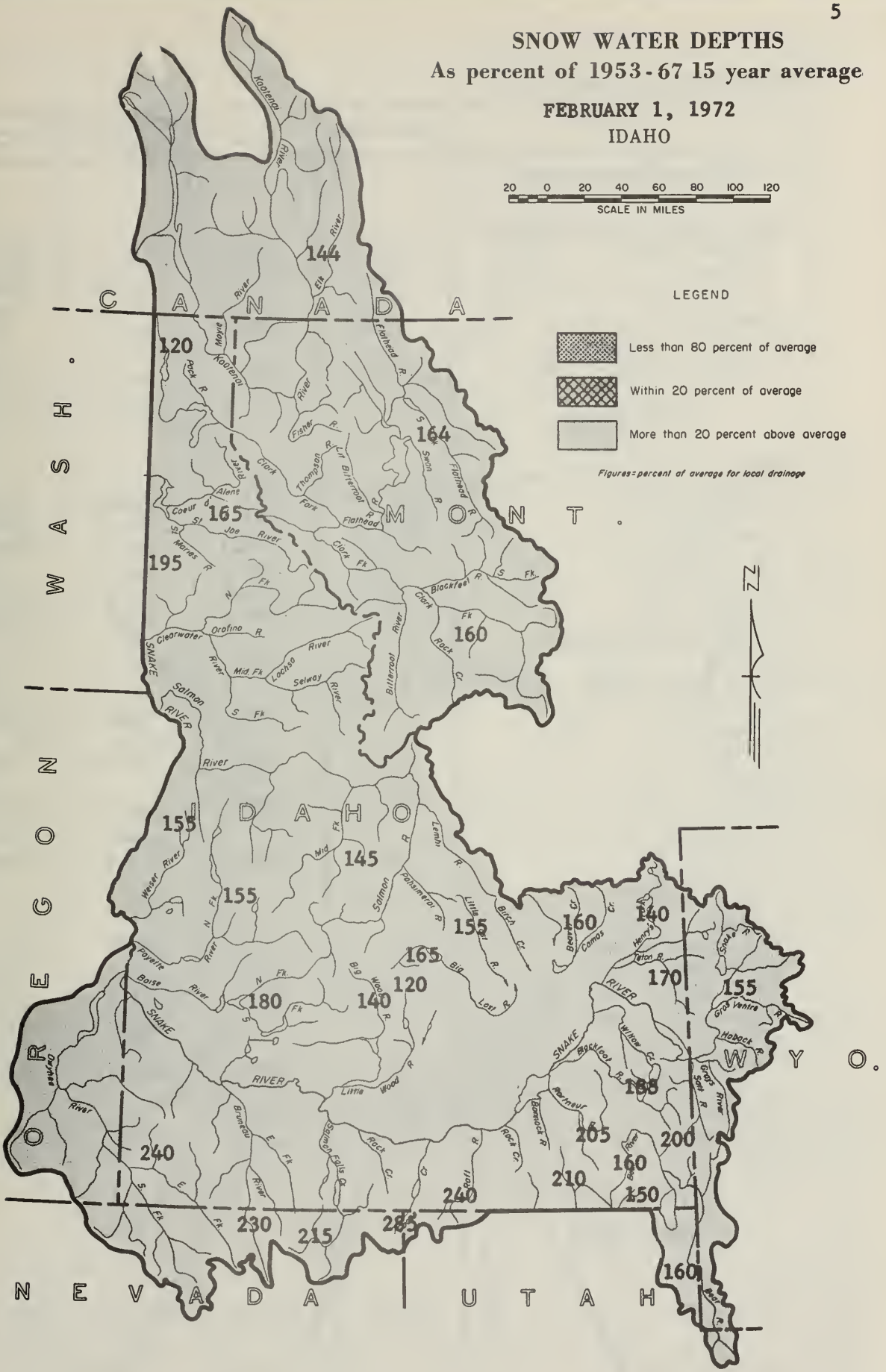


U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

RESERVOIR STORAGE (1,000 Ac. Ft.)

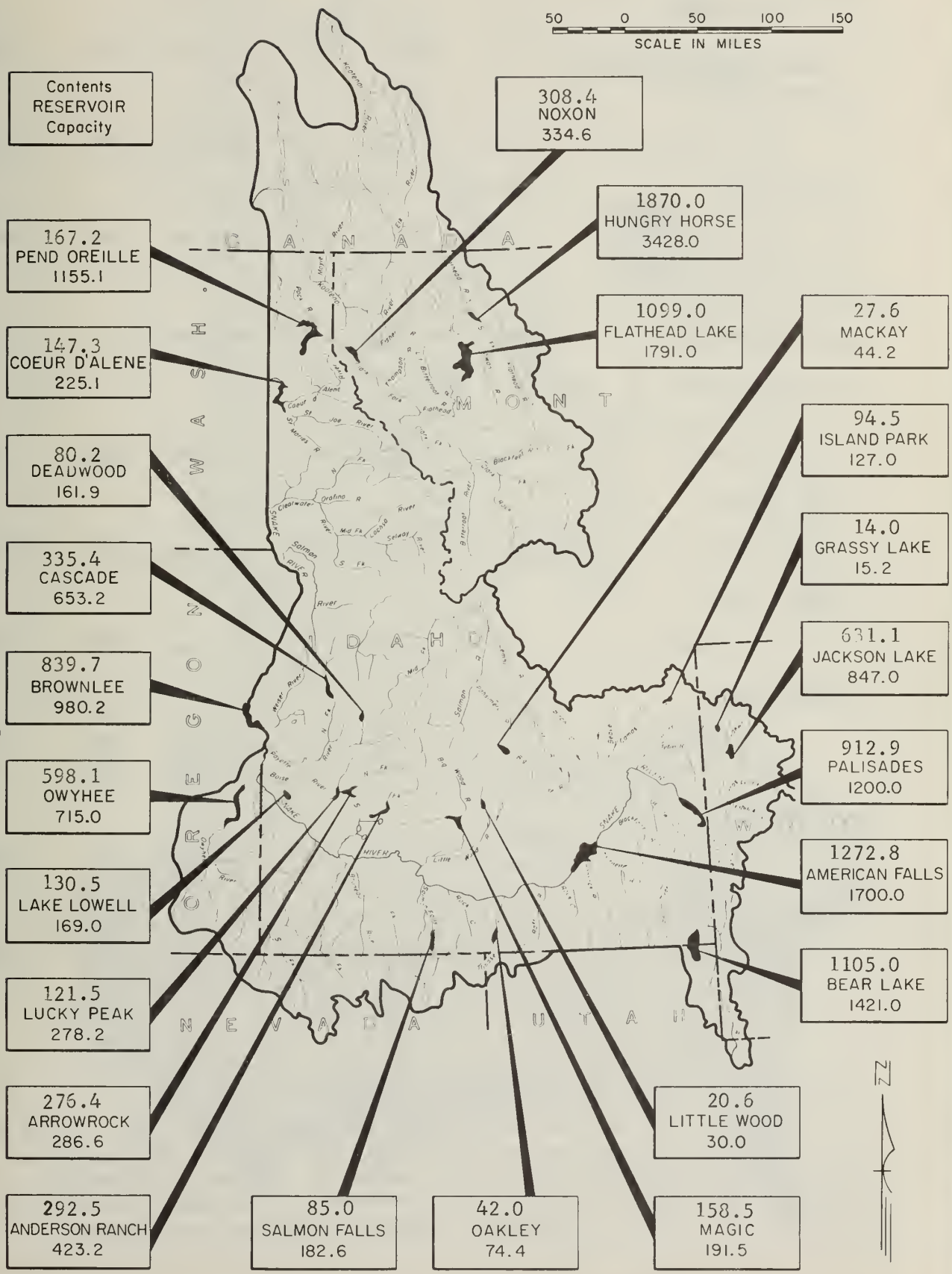
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1870.0	1980.0	2474.0*
Flathead	1791.0	1099.0	1150.0	1186.0
Pend Oreille	1155.1	167.2	303.4	510.0
Noxon	334.6	308.4	332.1	320.2*
Spokane				
Coeur d'Alene	225.1	147.3	202.5	123.4
SNAKE BASIN				
Snake				
Jackson Lake	847.0	631.1	597.6	440.2
Palisades	1200.0	912.9	966.0	673.2*
American Falls	1700.0	1272.8	1269.9	1241.1
Island Park	127.0	94.5	116.6	97.5
Grassy Lake	15.2	14.0	12.2	10.5
Brownlee	980.2	839.7	901.1	539.8*
Goose-Trapper Creeks				
Oakley	74.4	42.0	31.6	13.5
Salmon Falls Creek				
Salmon Falls	182.6	85.0	45.6	22.7
Big Lost				
Mackay	44.2	27.6	36.9	28.9
Big Wood				
Magic	191.5	158.5	126.3	91.5
Little Wood				
Little Wood	30.0	20.6	15.8	10.5*
Fish Creek				
Carey Valley	14.4	7.8	7.3	--
Boise				
Anderson Ranch	423.2	292.5	311.1	227.0
Arrowrock	286.6	276.4	278.6	227.7
Lucky Peak	278.2	121.5	151.9	108.5*
Lake Lowell (Deer Flat)	169.0	130.5	126.7	101.1
Owyhee				
Owyhee	715.0	598.1	699.5	359.3
Payette				
Cascade	653.2	335.4	447.1	276.9
Deadwood	161.9	80.2	92.9	69.1
Weiser				
Mann Creek	11.1	3.2	8.1	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1105.0	1098.7	854.0

* Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1972



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
KOOTENAI RIVER						
Leonia	(at)	11400	124	Apr-Sep	10484	9198
SPOKANE RIVER						
Post Falls 1/	(at)	3950	126	Apr-Sep	3907	3140
SNAKE RIVER						
Heise 2/	(nr)	5240	140	Apr-Sep	6267	3743
BIG LOST RIVER						
Mackay 3/	(nr)	235	140	Apr-Sep	--	168
BIG WOOD RIVER						
Magic Reservoir Inflow		400	150	Apr-Sep	616	268
BOISE RIVER						
Boise 4/	(nr)	2330	150	Apr-Sep	2610	1556
PAYETTE RIVER						
Horseshoe Bend 5/	(nr)	2480	135	Apr-Sep	2891	1839
OWYHEE RIVER						
Lake Owyhee		900	205	Feb-Jul	805	438
net inflow 6/		700	233	Apr-Sep	504	300
SALMON RIVER						
Whitebird	(at)	9040	132	Apr-Sep	10398	6850
CLEARWATER RIVER						
Spalding	(at)	11490	134	Apr-Sep	10707	8578

(c) Assuming normal meteorological conditions.
1/ Observed flow corrected for storage in Coeur d'Alene Lake. 2/ Corrected for storage in Jackson Lake and Palisades. 3/ Observed flow corrected for storage in Mackay Reservoir. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Cascade and Deadwood Reservoirs. 6/ U.S.B.R. records of inflow.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

FEBRUARY 1, 1972

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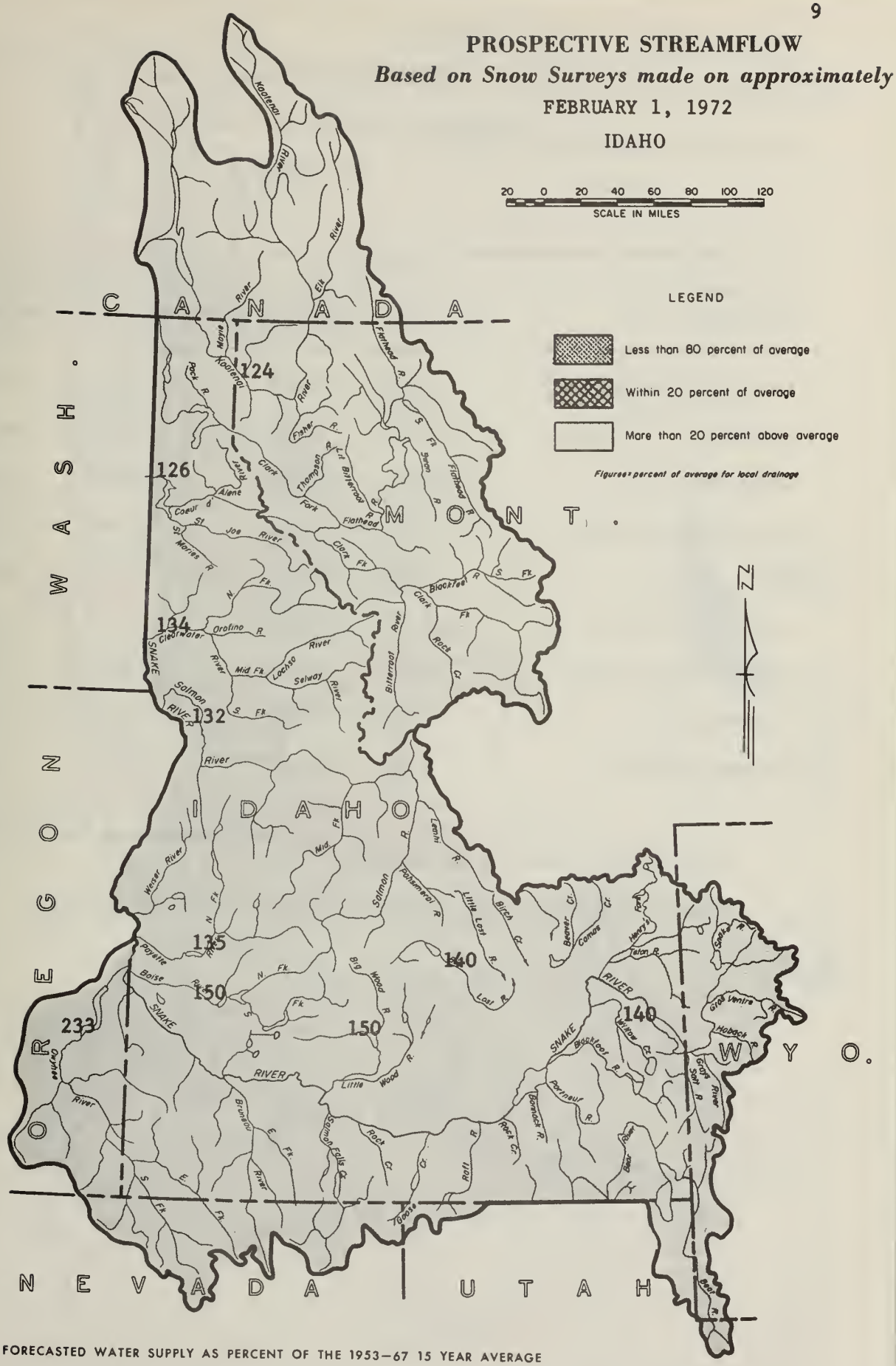


FORECASTED WATER SUPPLY AS PERCENT OF THE 1953—67 15 YEAR AVERAGE

VALLEY PRECIPITATION 1/

Division Averages and Departures

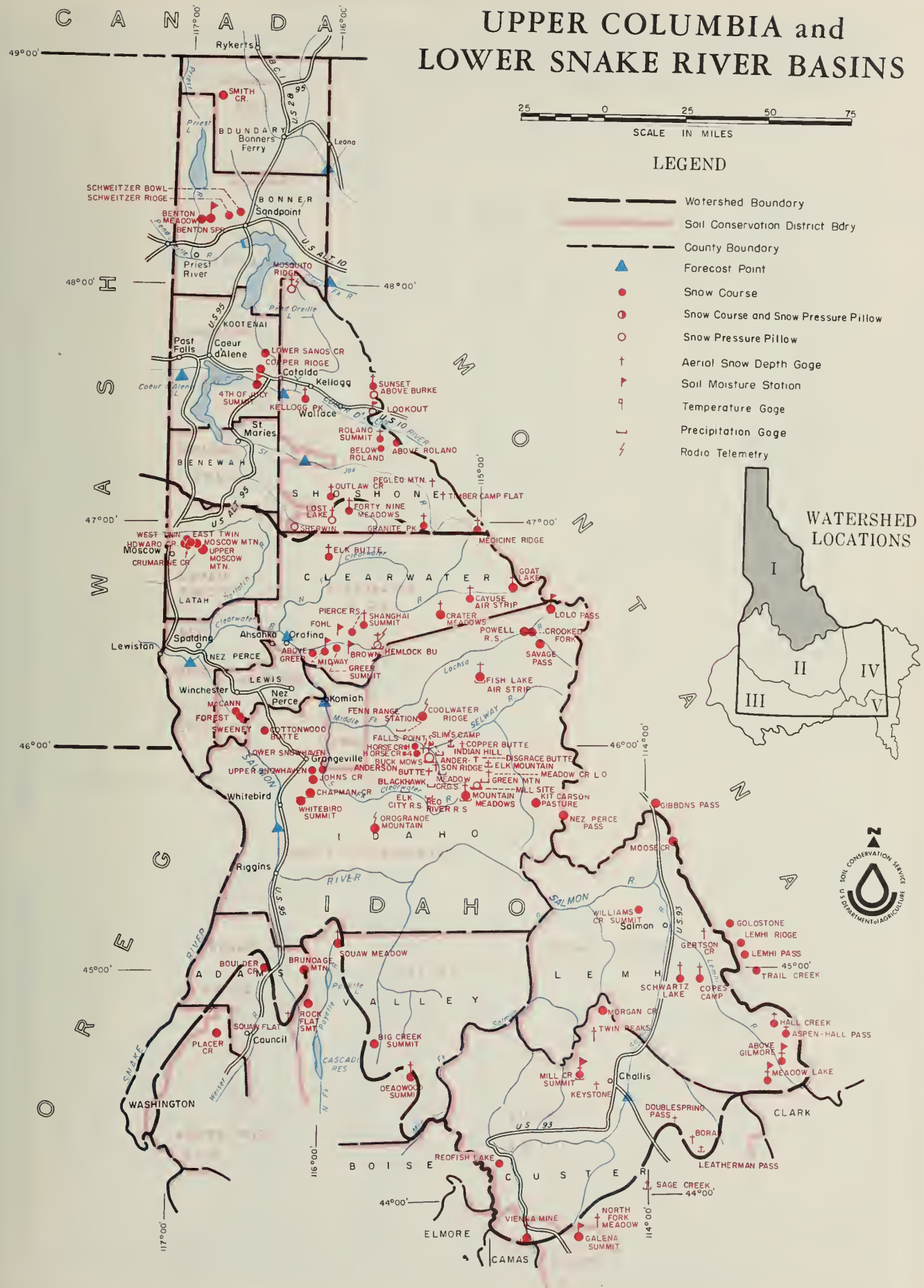
In Inches

DRAINAGE DIVISIONS	Winter January 1972		Fall - Winter Nov. 71 - Jan. 72	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	4.49	+0.90	12.73	+2.81
Flathead	4.14	+1.71	9.07	+2.22
Clark Fork	1.97	+0.87	3.89	+0.83
Pend Oreille-Spokane	5.82	+1.42	13.99	+1.52
Upper Snake	3.31	+0.96	8.88	+2.43
Snake River Plain	1.50	+0.55	4.69	+1.86
Salmon-Payette-Boise	3.36	+0.53	8.72	+1.18
Clearwater	3.84	+0.64	10.51	+1.52
Owyhee-Malheur	1.30	+0.08	4.28	+0.85

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1953-67) drainage division average.

UPPER COLUMBIA and LOWER SNAKE RIVER BASINS



25 0 25 50 75

SCALE IN MILES

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aeriol Snow Depth Goge
- Soil Moisture Station
- Temperature Goge
- Precipitation Goge
- Radio Telemetry

WATERSHED LOCATIONS

SOIL CONSERVATION SERVICE
U.S. DEPARTMENT of AGRICULTURE

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
16A1	I	Smith Creek	29	64N	3W	4800
PEND OREILLE - PRIEST RIVER						
16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
SPOKANE RIVER						
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B15a	I	Pegleg Mountain	15	44N	9E	5735
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
15B16a	I	Timber Camp Flat	23	44N	9E	4300
LOWER SNAKE BASIN						
PALOUSE RIVER						
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C7SR	I	Upper Moscow Mountain	16	40N	4W	4600
16C4P	I	West Twin	14	40N	5W	4250

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.
CLEARWATER RIVER					
16C11	I	Above Greer	14	35N	2E
15D7a	I	Anderson Butte	34	30N	9E
15D8a	I	Anderson Ridge	35	30N	9E
15D9p	I	Blackhawk	31	29N	10E
16C14m	I	Brown	11	35N	3E
15D5MAP	I	Buck Meadows	26	31N	8E
15C3A	I	Cayuse Airstrip	4	38N	11E
15C7R	I	Coolwater Mountain	32	33N	8E
15D10a	I	Copper Butte	35	31N	10E
16C16	I	Cottonwood Butte	33	32N	1W
15C9A	I	Crater Meadows	2	37N	9E
14C10	I	Crooked Fork	27	37N	14E
15D11a	I	Disgrace Butte	26	30N	10E
16C15A	I	Elk Butte	6	40N	3E
15D12p	I	Elk City Rgr. Sta.	23	29N	8E
15D13ap	I	Elk Mountain	34	30N	11E
15C11a	I	Falls Point	10	31N	9E
15C12p	I	Fenn Ranger Station	23	32N	7E
15C2AP	I	Fish Lake Airstrip	35	35N	11E
15C8m	I	Fohl	16	36N	5E
16C9	I	Forest	1	32N	3W
15B3A	I	Forty-nine Meadows	6	43N	5E
14C9A	I	Goat Lake	4	38N	13E
15D14p	I	Green Mountain	15	28N	11E
16C13	I	Greer Summit	13	35N	2E
15C6APR	I	Hemlock Butte	7	36N	7E
15C8s	M	Hoodoo Basin	17	14N	27W
15C1	M	Hoodoo Creek	16	14N	27W
15C14	I	Horse Creek #1	25	31N	8E
15C15	I	Horse Creek #4	5	30N	9E
15D21a	I	Horse Point	4	30N	9E
15D22ap	I	Indian Hill	30	31N	10E
14D3	I	Kit Carson Pasture	4	27N	16E
14C5M	I	Lolo Pass	16	38N	15E
15B14AS	I	Lost Lake	16	43N	4E
15D15p	I	Lower Horse Creek	28	31N	9E
16D7	I	Lower Snowhaven	9	29N	3E
16C8	I	McCann	25	33N	3W
15D16p	I	Meadow Creek Guard Station	5	29N	10E
15D17a	I	Meadow Creek Lookout	25	29N	11E
16C12M	I	Midway	14	35N	2E
15D18ps	I	Mill Site	22	28N	11E
15D6AP	I	Mountain Meadows	9	27N	10E
14D1	M	Nez Perce Pass	25	1S	24W
15D4R	I	Orogrande Mountain	24	27N	6E
15C5	I	Pierce Ranger Station	2	36N	5E
14C6	I	Powell Ranger Station	33	37N	14E
15D19p	I	Red River Ranger Station	4	27N	9E
15D20a	I	Sable Hill	14	29N	10E
14C4	I	Savage Pass	18	36N	15E
15C4A	I	Shanghai Summit	7	37N	6E
15C13p	I	Slim's Camp	11	31N	9E
16C10	I	Sweeney	1	32N	3W
16D4	I	Upper Snowhaven	8 & 9	29N	3E
SALMON RIVER					
13E19MA	I	Above Gilmore	13	13N	26E
13E21A	I	Aspen-Hall Pass	6	16N	28E
15E2	I	Big Creek Summit	24	15N	5E
13E8a	I	Borah	21	10N	23E
16D6	I	Brundage Mountain	6	19N	3E
16D2	I	Chapman Creek	16	29N	2E
13E17A	I	Copes Camp	36	18N	22E
13E25a	I	Doublespring Pass	3	10N	22E
13D17a	I	Gertson Creek	22	22N	23E
13D2	M	Gibbons Pass	4	2S	19W
13D9	M	Gold Stone	11	8S	16W
13E20A	I	Hall Creek	1	16N	27E
16D3	I	Johns Creek	9	29N	2E
14E6a	I	Keystone	15	13N	18E
13E24ap	I	Leatherman Pasa	20	9N	23E
13E1	M	Lemhi Pass	9	10S	15W
13E23	M	Lemhi Ridge	4	10S	15W
13E18MA	I	Meadow Lake	24	13N	26E
14E1MAP	I	Mill Creek Summit	8	13N	17E
13D16	I	Moose Creek	22 & 26	27N	21E
14E4	I	Morgan Creek	32	18N	19E
14E2	I	Redfish Lake	3	9N	13E
13E16A	I	Schwartz Lake	34	18N	22E
13E2	M	Trail Creek	15	10S	15W
14E3a	I	Twin Peaks	28	15N	17E
14F4AP	I	Vienna Mine	32	6N	14E
16D5	I	Whitebird Summit	17	29N	2E
14D4	I	Williams Creek Summit	34	21N	20E

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	1/28	19	5.0	7.1	5.1
Benton Spring	4900	2/2	55	18.0	15.8	14.0
#Mosquito Ridge (SP)	5110	1/31	--	29.0	27.0	--
Schweitzer Bowl	4500	1/28	75	28.8	28.3	--
Schweitzer Ridge	6100	1/28	116	40.0	39.7	--
SPOKANE RIVER						
Above Burke (SP)	4100	2/1	--	18.6	15.5	--
Fourth of July Summit	3100	1/31	44	12.2	10.0	6.4*
Lookout	5250	1/31	121	39.3	36.1	25.0
Lookout (SP)	5250	1/31	--	38.2	--	--
Mosquito Ridge (SP)	5110	1/31	--	29.0	27.0	--
Sherwin	3200	1/28	61	18.1	11.5	10.4*
Sherwin (SP)	3200	1/28	--	19.0	12.2	--
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	1/27	44	13.9	6.1	5.9*
East Twin	4050	1/27	55	17.8	7.5	10.5*
Howard Creek	3450	1/27	34	10.4	4.2	4.8*
Moscow Mountain	4400	1/27	66	21.6	14.3	12.2*
West Twin	4250	1/27	49	17.3	9.4	8.4*
CLEARWATER RIVER						
Above Greer	1240	1/31	T	T	0.0	--
Cayuse Airstrip	3700	2/2	52	17.0	10.0	7.6*
Coolwater Mountain (R)	6200	1/31	--	31.5	--	--
Coolwater Mountain (SP)	6200	1/31	--	28.1	23.6	--
Cottonwood Butte	5140	1/27	58	17.0	11.8	--
Crater Meadows (A)	6100	2/2	139	46.6	37.8	--
Crooked Fork	3800	1/26	53	17.4	14.2	--
Fish Lake Airstrip	5000	2/2	117	41.3	43.5	25.1*
Forest	4550	2/1	37	12.0	6.7	5.3*
Greer Summit	3000	1/31	12	3.0	0.0	--
Hemlock Butte	5500	2/2	160	53.6	47.0	34.2*
Hemlock Butte (R)	5500	1/31	--	51.9	53.1	--
Hemlock Butte (SP)	5500	1/31	--	56.9	51.8	--
#Hoodoo Basin Mont.	6000	1/28	156	52.2	48.3	--
#Hoodoo Basin (SP) Mont.	6000	2/1	--	50.8	46.6	--
#Hoodoo Creek Mont.	5900	1/28	157	51.5	47.0	--
Lolo Pass	5230	1/25	122	33.2	26.6	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

0884-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Lower Snowhaven	5250	1/28	77	21.7	15.0	--
McCann	4300	2/1	30	9.0	7.1	5.1*
Midway	2200	1/31	8	2.7	0.0	--
Mill Site (SP)	6700	1/31	81	30.3	24.6	--
Mountain Meadows	6300	1/31	68	21.1	18.8	--
Orogrande Mountain (R)	7800	1/31	--	36.4	31.8	--
Pierce Ranger Station	3170	2/1	55	15.6	10.2	8.5
Powell Ranger Station	4230	1/26	53	16.0	13.4	--
Savage Pass	6600	1/28	85	26.7	23.4	--
Shanghai Summit (A)	4600	1/31	90	27.0	23.0	--
Sweeney	4435	2/1	31	8.1	5.2	5.0*
Upper Snowhaven	5600	1/28	76	22.8	16.0	--
SALMON RIVER						
Big Creek Summit	6600	1/29	109	33.5	37.4	23.2
#Boulder Creek	5500	1/31	78	25.0	30.6	15.9*
Brundage Mountain	7560	1/27	134	42.4	47.8	--
Chapman Creek	4215	1/28	24	6.1	4.1	2.8*
#Deadwood Summit	7000	1/29	124	38.0	--	28.8*
#Deadwood Summit (SP)	7000	1/29	--	38.1	--	--
#Galena Summit	8795	1/26	87	23.2	25.3	15.3
#Gibbons Pass Mont.	7100	2/1	71	21.3	22.2	14.4
Johns Creek	3805	1/28	14	3.0	0.7	2.0*
Mill Creek Summit	8870	1/31	65	21.0	22.5	--
Moose Creek	6200	2/1	55	16.6	18.2	10.9
Morgan Creek	7580	1/29	47	13.8	14.4	11.1*
#Rock Flat Summit	5200	1/27	60	16.9	21.6	11.7
#Secesh Summit	6600	1/31	100	32.2	--	--
#Squaw Meadow	5800	1/31	105	30.6	--	--
Vienna Mine	8900	1/29	113	34.0	--	--
Whitebird Summit	4390	1/28	33	10.0	7.5	4.8*
Lemhi River						
Above Gilmore	8200	1/28	38	10.7	8.9	--
Aspen-Hall Pass	8110	1/28	37	8.8	6.7	--
Copes Camp	7500	1/27	34	8.3	7.4	--
Hall Creek	7560	1/28	32	8.0	3.7	--
Meadow Lake	9100	1/28	60	18.6	17.8	--
Schwartz Lake	8500	1/27	44	12.1	11.6	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	1/31	10.2	10.4	10.2
Lookout	5250	48	11.0	1/31	6.8	8.5	7.5
CLEARWATER RIVER							
Brown	3100	36	6.7	1/31	6.1	6.5	5.9
Midway	2200	36	6.1	1/31	5.0	5.0	5.1
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	1/31	4.6	5.5	4.4
Lemhi River							
Above Gilmore	8200	60	5.4	1/28	4.0	2.8	2.4
Meadow Lake	9100	48	4.4	1/28	2.4	2.4	1.9

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	1/25	25	5.8	5.8	3.2*
Lost Garfield	6600	1/25	24	5.3	4.0	2.6*
Moonshine	7450	1/25	41	10.9	10.0	8.3*
Sawmill Canyon	6900	1/25	34	8.5	9.4	5.8*
Wet Creek Summit	7600	1/26	47	12.8	14.0	7.8*
BIG LOST RIVER						
Bear Canyon	7920	1/31	49	13.0	19.9	--
Copper Basin	7650	1/31	24	6.3	11.4	--
Iron Bog	7650	1/27	48	12.4	17.2	8.0*
Leadbelt	6800	1/27	33	7.7	11.8	6.2*
White Knob	7700	1/28	38	11.8	13.1	5.1*
LITTLE WOOD RIVER						
#Bear Canyon	7920	1/31	49	13.0	19.9	--
Garfield Rgr. Sta.	6554	1/27	38	8.5	13.5	7.0*
Muldoon	6300	1/27	28	6.3	9.2	5.5*
Swede Peak	7500	1/27	53	13.1	20.8	10.4*
BIG WOOD RIVER						
Camas Creeks Divide	5720	1/28	37	11.4	--	--
#Couch Summit	6950	1/31	57	16.5	21.8	10.9*
Galena	7300	1/26	74	18.8	20.8	13.3
Galena Summit	8795	1/26	87	23.2	25.3	15.3
Graham Ranch	6200	1/27	48	11.6	15.6	9.3
Mascot Mine	7900	2/1	40	10.4	--	--
Mount Baldy	9000	1/27	71	17.2	21.8	13.8
Soldier Rgr. Sta.	6100	1/31	45	13.8	15.0	8.4*
#Vienna Mine	8900	1/29	113	34.0	--	--
CANYON CREEK						
Bennett Mountain	6650	1/28	74	21.4	18.2	11.8*
#Camas Creeks Divide	5720	1/28	37	11.4	--	--
Dixie Hill	5230	1/28	19	6.3	5.3	--
Little Camas Flat	4950	1/28	27	9.2	--	--
BOISE RIVER						
Atlanta Summit	7500	1/29	111	32.5	38.3	20.7*
Atlanta Summit (SP)	7500	1/29	108	33.5	--	--
Bad Bear	5500	2/1	63	21.1	15.2	9.9*

*(b) 1953-67, 15 year period. #Not located directly an this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snaw-water equivalent.*

MIDDLE SNAKE RIVER BASIN
NORTHSIDE

WATERSHED LOCATIONS

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LITTLE LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

BIG LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2A	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

BIG WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

LITTLE WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500

FISH CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

BOISE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND.	RGE. LONG.	ELEV.
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710

CANYON CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND.	RGE. LONG.	ELEV.
15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550

PAYETTE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND.	RGE. LONG.	ELEV.
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

WEISER RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND.	RGE. LONG.	ELEV.
16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230

MANN CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND.	RGE. LONG.	ELEV.
16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
#Bennett Mountain	6650	1/28	74	21.4	18.2	11.8*
#Bogus Basin	6120	1/28	93	31.3	26.3	14.8
Bogus Basin Road	5360	1/28	39	13.5	9.0	4.8*
#Camas Creeks Divide	5720	1/28	37	11.4	--	--
Couch Summit	6950	1/31	57	16.5	21.8	10.9*
#Dixie Hill	5230	1/28	19	6.3	5.3	--
Jackson Peak	7000	2/3	100	32.1	--	20.3*
#Little Camas Flat	4950	1/28	27	9.2	--	--
Moores Creek Summit	6100	2/1	113	37.4	35.3	20.9
Prairie	4900	1/29	37	11.1	9.1	4.7
#Soldier Rgr. Sta.	6100	1/31	45	13.8	15.0	8.4*
Trinity Mountain	7780	1/29	121	39.7	43.4	26.4*
Trinity Mountain (SP)	7780	1/29	134	44.8	--	--
#Vienna Mine	8900	1/29	113	34.0	--	--
PAYETTE RIVER						
#Big Creek Summit	6600	1/29	109	33.5	37.4	23.2
Bogus Basin	6120	1/28	93	31.3	26.3	14.8
#Brundage Mountain	7560	1/27	134	42.4	47.8	--
Cozy Cove	5900	1/27	52	17.6	19.0	10.7
Crawford Rgr. Sta.	4800	1/31	29	9.4	11.4	5.6*
Deadwood Airstrip	5440	1/27	53	16.5	15.5	10.3*
Deadwood Dam	5290	1/27	52	16.4	18.5	11.0
Deadwood Summit	7000	1/29	124	38.0	--	28.8*
Deadwood Summit (SP)	7000	1/29	--	38.1	--	--
#Jackson Peak	7000	2/3	100	32.1	--	20.3*
Lake Fork	6000	1/28	52	14.6	--	--
Rock Flat Summit	5200	1/27	60	16.9	21.6	11.7
Secesh Summit	6600	1/31	100	32.2	--	--
Squaw Meadow	5800	1/31	105	30.6	--	--
WEISER RIVER						
Boulder Creek	5500	1/31	78	25.0	30.6	15.9*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	1/25	8.0	7.5[j]	7.5
Wet Creek Summit	8175	48	17.1	1/26	13.7	13.2	12.4
BIG WOOD RIVER							
Galena	7300	48	10.1	1/26	5.7	7.0	4.2
Galena Summit	8795	48	5.8	1/26	Frozen	Frozen	1.7

j January Measurement

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA SCS PORTLAND, OREG 1971

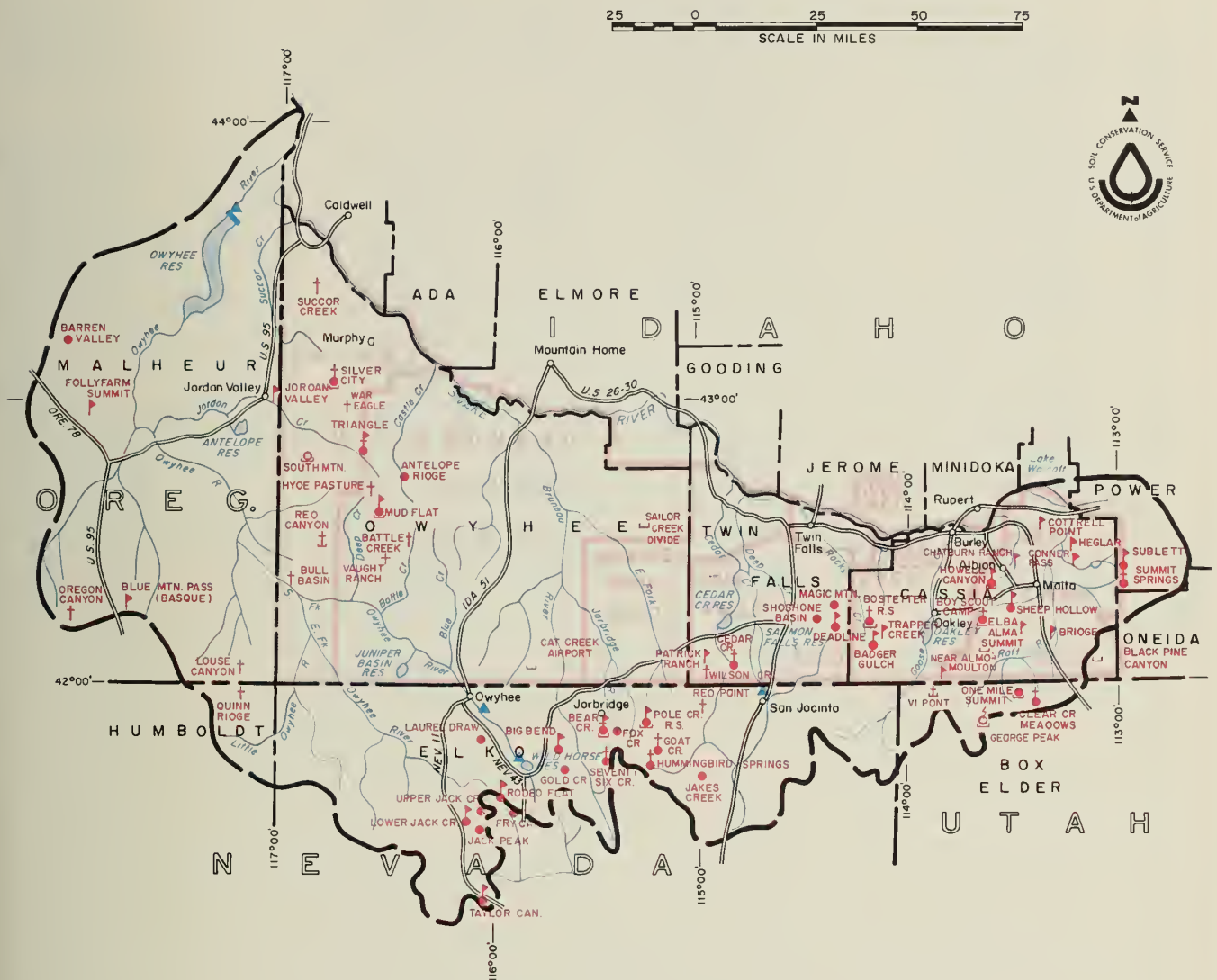
SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
George Peak (SP)	9000	1/31	--	23.0	--	--
Howell Canyon	8000	1/31	102	35.9	25.3	15.0*
Sublett	6000	1/28	47	15.4	12.0	6.2*
GOOSE CREEK						
Badger Gulch	6660	1/27	53	17.6	9.0	6.2*
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	1/24	64	20.4	17.6	11.3*
Cedar Creek (A)	7000	1/24	38	12.9	8.6	6.5*
Deadline	6900	1/28	100	34.0	20.9	13.8*
Goat Creek (A) Nev.	8800	1/24	51	16.4	18.4	10.3*
#Hummingbird Springs(A) Nev.	8945	1/24	101	32.2	23.6	11.1*
Magic Mountain	6700	1/28	81	26.0	16.9	10.8*
#Pole Creek R.S. Nev.	8330	1/27	64	20.4	18.0	10.8*
Red Point (A) Nev.	7940	1/24	27	8.6	4.4	6.2*
Shoshone Basin	5740	1/28	31	11.0	3.8	3.1*
Wilson Creek (A)	7500	1/24	45	14.4	13.6	--
BRUNEAU RIVER						
Bear Creek (A) Nev.	7800	1/24	64	20.4	17.6	11.3*
Hummingbird Springs (A) Nev.	8945	1/24	101	32.2	23.6	11.1*
Pole Creek R. S. Nev.	8330	1/27	64	20.4	18.0	10.8*
#Seventy-six Creek (A) Nev.	7100	1/28	59	17.7	9.2	6.1*
OWYHEE RIVER						
Antelope Ridge	5900	1/26	43	13.4	5.0	3.4*
Battle Creek (A)	5700	2/1	22	5.9	0.0	--
#Bear Creek (A) Nev.	7800	1/24	64	20.4	17.6	11.3*
Bull Basin (A)	5600	2/1	6	1.2	0.0	--
Hyde Pasture (A)	5800	2/1	29	7.8	3.2	--
Mud Flat	5500	1/26	30	8.2	5.2	3.4*
Red Canyon (A)	6650	2/1	31	8.4	4.0	--
#Seventy-six Creek Nev.	7100	1/28	59	17.7	9.2	6.1*
Silver City	6400	1/31	62	20.7	14.1	9.2*
South Mountain	6340	1/27	54	17.0	11.6	7.3
Succor Creek (A)	6100	2/1	29	7.8	2.3	--
Triangle (A)	5150	2/1	12	2.4	0.0	--
Vaught Ranch (A)	5950	2/1	22	5.9	0.0	--
War Eagle (A)	7700	2/1	64	20.7	17.8	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

8606-SCS-PORTLAND, OREG. 1971

MIDDLE SNAKE RIVER BASIN
SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13G15p	I	Black Pine Canyon	28	15S	29E	7100
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13G11m	I	Bridge	7	15S	27E	4750
13G13m	I	Chatburn Ranch	4	12S	25E	4700
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13G6m	I	Conner Pass	35	12S	25E	5700
13G7m	I	Cottrell Point	24	10S	25E	4490
13G10m	I	Elba-Almo Summit	29	14S	25E	5690
13H4sp	U	George Peak	4	13N	14W	9000
13G8m	I	Heglar	19	11S	28E	4590
13G1MP	I	Howell Canyon	2	13S	24E	8000
13G12m	I	Moulton	27	16S	23E	5950
13G14p	I	Near Almo	35	15S	24E	5200
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	5400

GOOSE - TRAPPER CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
14G7m	I	Trapper Creek	2	15S	20E	5300
13H3ap	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
14G5A	I	Cedar Creek	25	15S	13E	000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14H1	N	Jakes Creek	6	42N	62E	7000
14G2	I	Magic Mountain	14	14S	18E	6700
15G1m	I	Patrick Ranch	23	15S	12E	5720
15H18a	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2a	I	Wilson Creek	24	16S	12E	7500

BRUNEAU RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
15H1MAP	N	Bear Creek	31	46N	58E	7800
15G3p	I	Cat Creek Airport	9	16S	6E	5700
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8945
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330
15G4p	I	Sailor Creek Divide	21	10S	10E	4350

OWYHEE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	17S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
17G2m	O	Blue Mountain Pass (Basque)	4	38S	42E	5290
16G10a	I	Bull Basin	19	12S	5W	5600
18G3m	O	Folly Farm Summit	8	30S	38E	4450
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE¼ 31	8S	2W	5800
16H4	N	Jacks Peak	28	42N	53E	8420
17G3m	O	Jordan Valley	2	30S	46E	4390
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4MA	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Conner Pass	5700	36	9.8	1/31	8.8	--	8.1
Howell Canyon	8000	48	11.5	1/31	6.9	9.2	7.3
Sublett	6000	36	7.0	1/28	5.4	6.1	5.7
GOOSE CREEK							
Badger Gulch	6660	36	7.0	1/27	6.4	6.9	6.0
SALMON FALLS CREEK							
Deadline	6900	36	7.4	12/27	5.9[j]	7.3	6.2
Patrick Ranch	5720	36	7.7	1/27	6.7	6.8	6.7
Pole Creek R. S.	8330	48	9.7	1/27	8.0	6.9	5.2
OWYHEE RIVER							
Mud Flat	5500	48	12.8	1/26	13.8	14.0	14.4

j January Measurement

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	1/28	34	9.3	12.9	6.3
Kilgore	6200	1/31	35	10.5	14.2	6.2
MEDICINE LODGE CREEK						
Irving Creek	7035	1/25	28	5.6	7.0	3.5*
Webber Creek	6700	1/25	31	6.3	6.9	3.2*
HENRYS FORK RIVER						
Big Springs	6500	1/28	67	20.7	22.3	13.1
Black Canyon	7850	1/27	98	32.2	32.0	23.1*
Black Moose	8125	1/27	113	38.8	40.8	26.8*
Grassy Lake Wyo.	7230	2/1	99	33.1	34.7	21.9
Island Park	6315	1/28	54	15.9	18.2	10.6
Latham Springs	7650	1/27	94	31.2	34.4	22.4*
Lucky Dog	6900	1/27	75	24.0	27.6	16.8*
Old Road	7250	1/27	80	24.6	30.4	17.5*
Poacher's Cabin	8000	1/27	90	29.1	28.4	23.8*
Sawtelle Mountain	8715	1/28	91	29.4	36.0	--
Targhee Pass	7000	1/28	50	14.1	16.3	9.4*
Valley View	6500	1/28	54	16.9	17.9	10.3
TETON RIVER						
Freds Mountain Wyo.	8000	1/27	69	23.9	23.2	--
Pine Creek Pass	6750	1/27	55	17.3	14.0	10.5*
State Line	6400	1/27	53	16.2	12.3	9.0
WILLOW CREEK						
Aspen Grove	6600	1/27	45	15.0	10.5	--
Birch Creek	6800	1/27	54	19.4	8.1	--
Bone	6200	1/25	32	10.1	7.5	--
Ozone	5800	1/25	5	1.9	0.0	--
Sheep Mountain II	6510	1/25	50	14.6	13.1	--
Tex Creek	6700	1/28	42	11.9	8.0	--
SAND CREEK						
Henry Creek	5650	1/26	12	4.5	4.2	--
Taylor Mountain	6500	1/26	50	16.5	7.2	--
BLACKFOOT RIVER						
Austin Brothers Ranch	6450	2/1	34	10.6	8.8	5.1*
China Hat	6300	2/1	28	9.1	6.0	4.2*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

UPPER SNAKE RIVER BASIN

ID-4a

INDEX to SNOW COURSES

UPPER SNAKE RIVER BASIN

SNAKE RIVER - WYOMING

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530

HENRYS FORK RIVER

11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E15	I	Old Road	12	13N	44E	7250
11E17	I	Poacher's Cabin	11	13N	45E	8000
11E32	I	Sawtelle Mountain	7	14N	43E	8715
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500

TETON RIVER

10F21a	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8000
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6400
10F13M	Wy	Teton Pass	24	41N	118W	8500

CAMAS - BEAVER CREEK

11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200

MEDICINE LODGE CREEK

12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700

WILLOW CREEK

11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F8	I	Bone	29	1S	40E	6200
11F4	I	Ozone	14	1N	39E	5800
11F9	I	Sheep Mountain I	33	2S	41E	6450
11F11	I	Sheep Mountain II	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700

SAND CREEK

11F6	I	Henry Creek	7	1S	39E	5650
11F7	I	Taylor Mountain	19	1S	39E	6500

BLACKFOOT RIVER

11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G2M	I	China Hat	17	7S	42E	6300
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000

PORTNEUF RIVER

11G25	I	Cove	21	9S	39E	5525
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
11G24	I	Moser	20	8S	39E	5950
11G23	I	North Bancroft #1	15	8S	39E	5460
11G22	I	North Bancroft #2	27	7S	39E	5430
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
Slug Creek Divide	7225	1/26	53	15.3	17.0	9.9*
Somsen Ranch	7000	2/1	50	14.2	14.3	7.5*
PORTNEUF RIVER						
Cove	5525	1/28	26	6.4	6.2	--
Dempsey Creek	6280	1/28	49	13.9	11.6	6.5*
Lower Pebble	5800	1/27	60	19.8	13.0	--
Mink Creek	6300	1/31	62	18.9	15.6	8.9*
Moser	5950	1/28	34	8.7	10.0	--
North Bancroft #1	5460	1/28	18	5.5	6.6	--
North Bancroft #2	5430	1/28	10	2.0	4.0	--
Pebble Creek	6550	1/27	54	16.7	14.8	8.6*

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	1/28	8.2	8.3	7.6
Valley View	6500	48	13.3	1/28	7.0	Frozen	Frozen
TETON RIVER							
Pine Creek Pass	6750	48	13.3	1/27	11.1	11.8	11.3
State Line	6400	48	14.8	1/27	12.5	14.0	11.2
Teton Pass	8500	48	10.5	1/27	9.6	11.8	7.1
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	1/27	7.0	8.5	4.6
Pebble Creek	6550	48	7.2	1/27	6.9	5.5	4.0

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

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SNOW

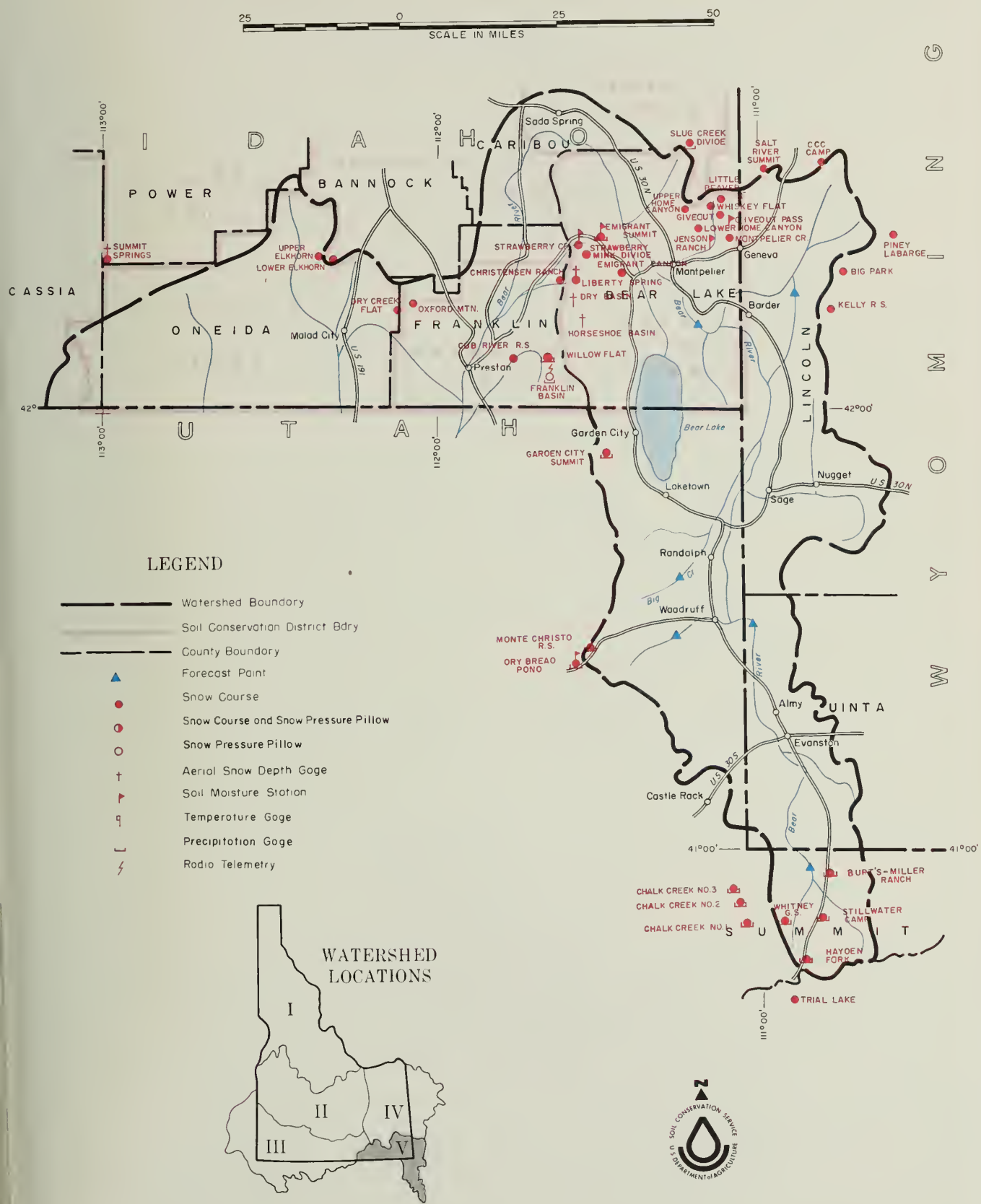
DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	1/26	77	24.5	27.4	14.2*
Emigration Canyon	6500	1/26	41	12.2	12.6	6.4*
Montpelier Creek						
Giveout	6840	1/28	53	15.4	14.4	7.7*
Little Beaver	6970	1/28	66	19.6	16.4	9.8*
Lower Home Canyon	7500	1/27	52	14.9	16.5	--
Montpelier Creek	6570	1/28	41	10.9	9.1	5.3*
Whiskey Flat	6985	1/28	43	11.8	11.8	6.2*
Mink Creek						
Christensen Ranch	5600	2/1	28	7.7	9.6	5.6*
Dry Basin (A)	7900	1/31	76	24.2	32.6	--
#Emigrant Summit	7350	1/26	77	24.5	27.4	14.2*
Horseshoe Basin (A)	8000	1/31	66	21.0	29.5	--
Liberty Spring (A)	8600	1/31	102	32.4	45.5	--
Strawberry Creek	5800	2/1	36	10.0	11.1	6.9*
Strawberry Mink Divide	6800	2/1	70	21.6	23.5	13.0*
Cub River						
Cub River R. S.	5400	1/31	25	6.8	9.0	5.7*
Willow Flat	6100	1/31	44	15.6	16.9	9.4*
MALAD RIVER						
Cliff Canyon	7200	1/27	52	15.2	9.1	--
Daniels Creek	6400	1/27	32	8.8	5.9	--
Dry Creek Flat	6350	1/28	33	9.9	10.0	4.5*
Lower Elkhorn	6850	1/31	54	16.5	13.8	--
Oxford Mountain	6800	1/28	42	11.6	10.1	5.6*
Upper Elkhorn	7100	1/31	67	20.2	18.9	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	1/26	6.6	6.6	6.1
Strawberry Creek	5800	48	12.7	1/26	10.0	10.1	8.3
Montpelier Creek							
Jenson Ranch	6580	48	18.7	1/28	7.2	7.0	10.0

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

GREAT BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

SOIL CONSERVATION SERVICE
U.S. DEPARTMENT of AGRICULTURE

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.

GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

MONTPELIER CREEK

11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G4	I	Dry Creek Flat	31	13S	37E	6350
12G11	I	Lower Elkhorn	30	12S	36E	6850
12G3	I	Oxford Mountain	32	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAR. 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA SCS-PORTLAND OREG 1970

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Acting Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR MARCH 1, 1972

Snowfall during February was slightly below normal on most watersheds of Idaho; however, the winter's accumulation of snow-water remains well above normal throughout the state. Snow-water equivalent values as compared to average on the major watersheds range from 135% on the Henrys Fork and Big Lost Rivers to 190% on the Owyhee River. The snowpack is extremely heavy on all watersheds of north Idaho and all drainages on the south side of the Snake River in southern Idaho and northern Nevada. The snow accumulation on all of these drainages exceeds that of last year which was a record year in many cases. Low spots in the state include the Little Wood and Fish Creek watersheds at 100% and 105% of average, the Priest River at 110%, and Cub River drainage at 125%. A series of intense storms throughout the state during the last week of February and first few days of March resulted in an all-time record accumulation on many snow courses in the state.

Valley precipitation during February ranged from slightly below average on the upper Snake and Owyhee drainages to well above normal on northern Idaho watersheds. The Clearwater drainage received 200% of normal valley precipitation.

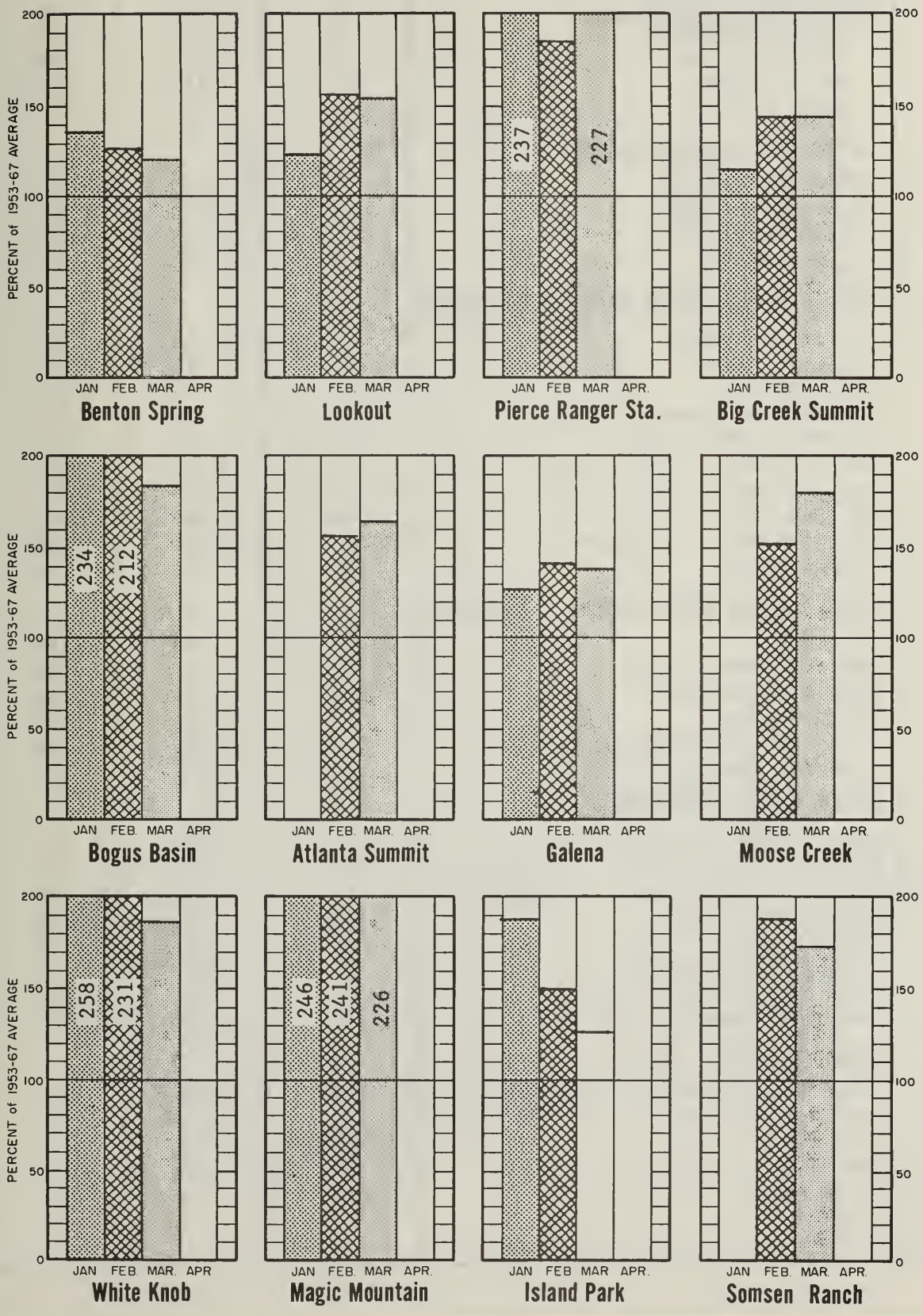
Carryover reservoir storage remains excellent and many reservoirs are being lowered to make space for anticipated high volume runoff.

Streamflow forecasts for the major drainages for the April-September period range from 120% of average for the Henrys Fork near Ashton to 200% for the inflow to Owyhee Reservoir. Smaller watersheds are extremely variable with a low forecast of 103% of normal for the Priest River near Priest River and a record 231% forecast for Inflow to Oakley Reservoir. The water supply for irrigation is forecast to be good to excellent throughout the state.

Flooding has been experienced on several low elevation watersheds during January and February and the potential for high, rapid runoff still exists in many areas. Dependent upon weather conditions during the next two months, high runoff is possible on many small drainages throughout Idaho, and also on major drainages such as the Clearwater and Salmon which have no reservoirs for flood control.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1953-67 15 Yr. Average

MARCH 1, 1972



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	19	135	160
Pend Oreille River	70	130	160
Clark Fork River	48	130	155
Flathead River	22	135	160
Priest River	2-3	115	110
Spokane River	10	130	150
LOWER SNAKE RIVER BASIN			
Palouse River	5	270	175
Clearwater River	16-22	140	165
Salmon River	20	105	145
Lemhi River	4-6	120	135
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	115	145
Big Lost River	7	95	135
Fish Creek	2	70	105
Little Wood River	4-5	70	100
Big Wood River	10-12	100	145
Canyon Creek	1-7	125	175
Boise River	15	115	165
Payette River	14-16	100	145
Weiser River	2	105	150
Mann Creek	4	90	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	130	180
Goose-Trapper Creeks	2	165	220
Salmon Falls Creek	10-11	135	185
Bruneau River	5	110	170
Owyhee River - Idaho & Nevada	7-15	155	190
Jordan Creek	2	155	205
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	22	105	140
Camas-Beaver Creeks	2	75	130
Medicine Lodge Creek	2	85	155
Henrys Fork River	11-12	95	135
Teton River	2-3	115	150
Willow-Sand Creeks	7	150	--
Blackfoot River	4	105	165
Portneuf River	3-8	125	180
GREAT BASIN			
Bear River	2-5	95	145
Montpelier Creek	4-6	110	180
Mink Creek	4-7	90	140
Cub River	2	90	125
Malad River	2-6	120	160

SNOW WATER DEPTHS
As percent of 1953-67 15 year average

MARCH 1, 1972
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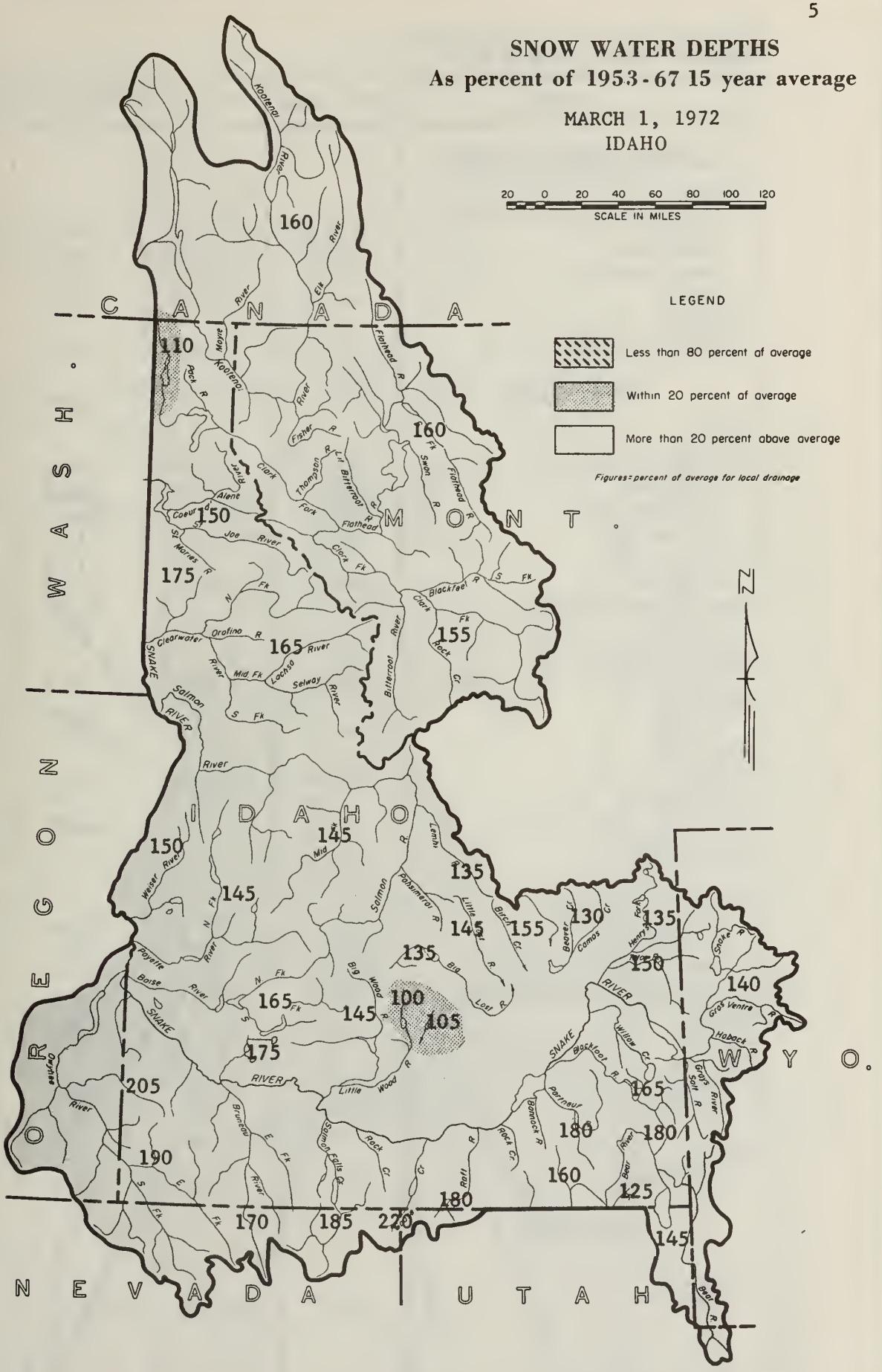


U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

RESERVOIR STORAGE (1,000 Ac. Ft.)

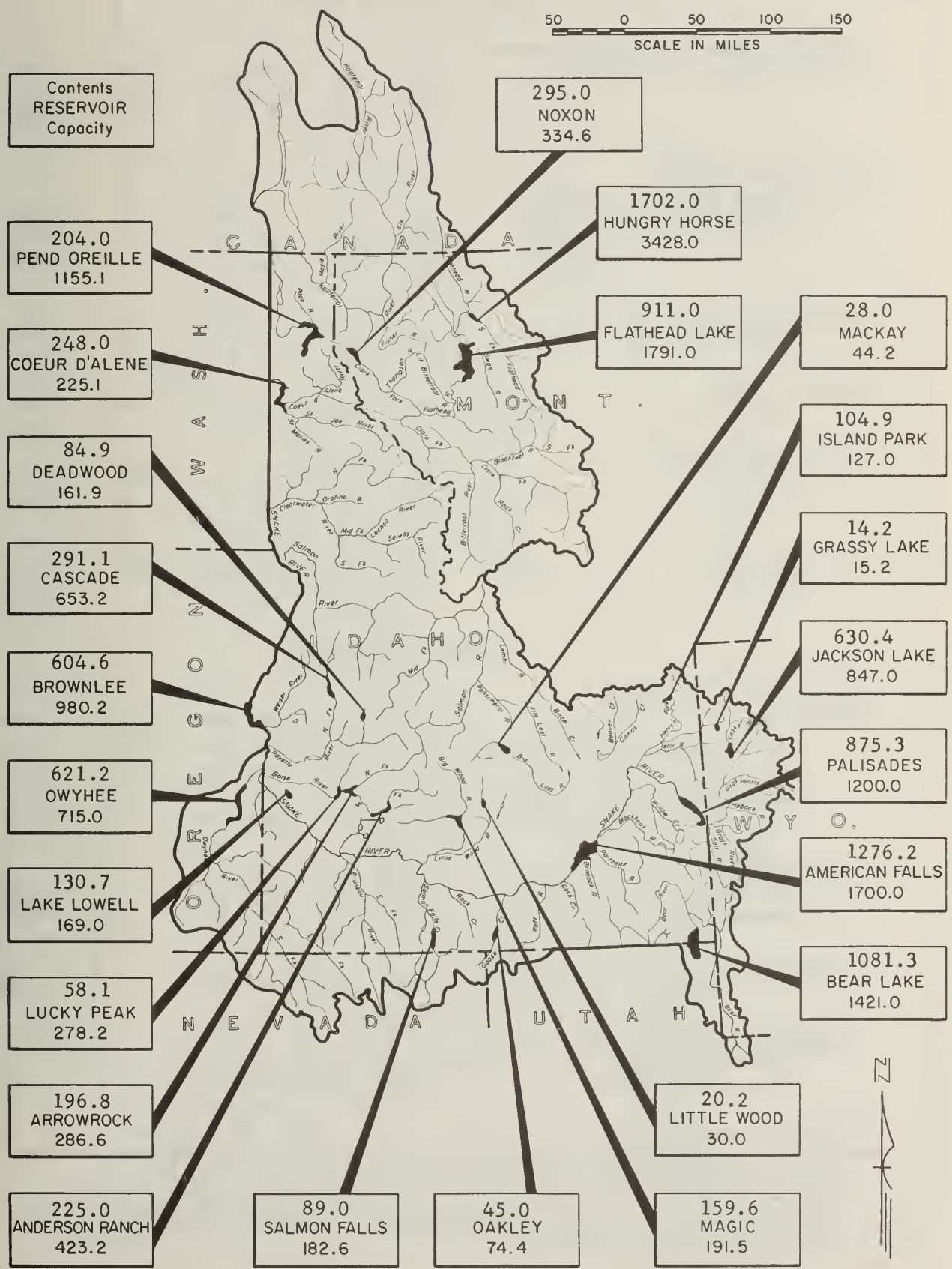
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1702.0	2111.0	2269.0*
Flathead	1791.0	911.0	926.7	963.0
Pend Oreille	1155.1	204.0	363.8	508.6
Noxon	334.6	295.0	331.4	293.4*
Spokane				
Coeur d'Alene	225.1	248.0	154.2	136.2
SNAKE BASIN				
Snake				
Jackson Lake	847.0	630.4	602.1	440.8
Palisades	1200.0	875.3	889.8	711.4*
American Falls	1700.0	1276.2	1339.1	1431.6
Island Park	127.0	104.9	117.4	113.2
Grassy Lake	15.2	14.2	12.3	10.8
Brownlee	980.2	604.6	507.7	400.4*
Goose-Trapper Creeks				
Oakley	74.4	45.0	35.7	16.8
Salmon Falls Creek				
Salmon Falls	182.6	89.0	54.8	27.4
Big Lost				
Mackay	44.2	28.0	39.5	31.3
Big Wood				
Magic	191.5	159.6	142.2	102.5
Little Wood				
Little Wood	30.0	20.2	15.0	13.1*
Fish Creek				
Carey Valley	14.4	8.5	9.3	--
Boise				
Anderson Ranch	423.2	225.0	265.9	213.9
Arrowrock	286.6	196.8	278.3	252.6
Lucky Peak	278.2	58.1	68.7	106.6*
Lake Lowell (Deer Flat)	169.0	130.7	125.8	127.9
Owyhee				
Owyhee	715.0	621.2	674.0	411.8
Payette				
Cascade	653.2	291.1	373.1	274.2
Deadwood	161.9	84.9	99.1	74.0
Weiser				
Mann Creek	11.1	4.7	10.0	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1081.3	1095.2	871.4

* Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MARCH 1, 1972



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	12100	132	Apr-Sep	10484	9198
		10900	135	Apr-Jul	9224	8072
		8700	135	Apr-Jun	7416	6463
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	20000	143	Apr-Sep	--	13987
		18500	145	Apr-Jul	--	12787
		15500	142	Apr-Jun	--	10953
Priest River						
Priest River 1/	(nr)	940	103	Apr-Jul	--	914
SPOKANE RIVER						
Post Falls 2/	(at)	4300	137	Apr-Sep	3907	3140
Coeur d'Alene River						
Cataldo	(nr)	1785	142	Apr-Sep	--	1259
		1720	143	Apr-Jul	--	1201
St. Joe River						
Calder	(at)	1800	132	Apr-Sep	--	1359
		1740	135	Apr-Jul	--	1291
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	1148	136	Apr-Sep	1272	846
Palisades Inflow 3/		4900	140	Apr-Sep	5800	3500
Heise 4/	(nr)	5100	136	Apr-Sep	6267	3743
Blackfoot 5/	(nr)	5190	134	Apr-Jul	--	3871
Weiser	(at)	8380	133	Apr-Sep	--	6306
Henrys Fork						
Ashton 6/	(nr)	730	120	Apr-Sep	--	609
Rexburg 7/	(nr)	1500	122	Apr-Sep	--	1229
Teton River						
St. Anthony	(nr)	500	127	Apr-Sep	--	394
Blackfoot River						
Blackfoot Reservoir Inflow		160	157	Apr-Sep	--	102*

*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1953-1967 period.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MARCH 1, 1972

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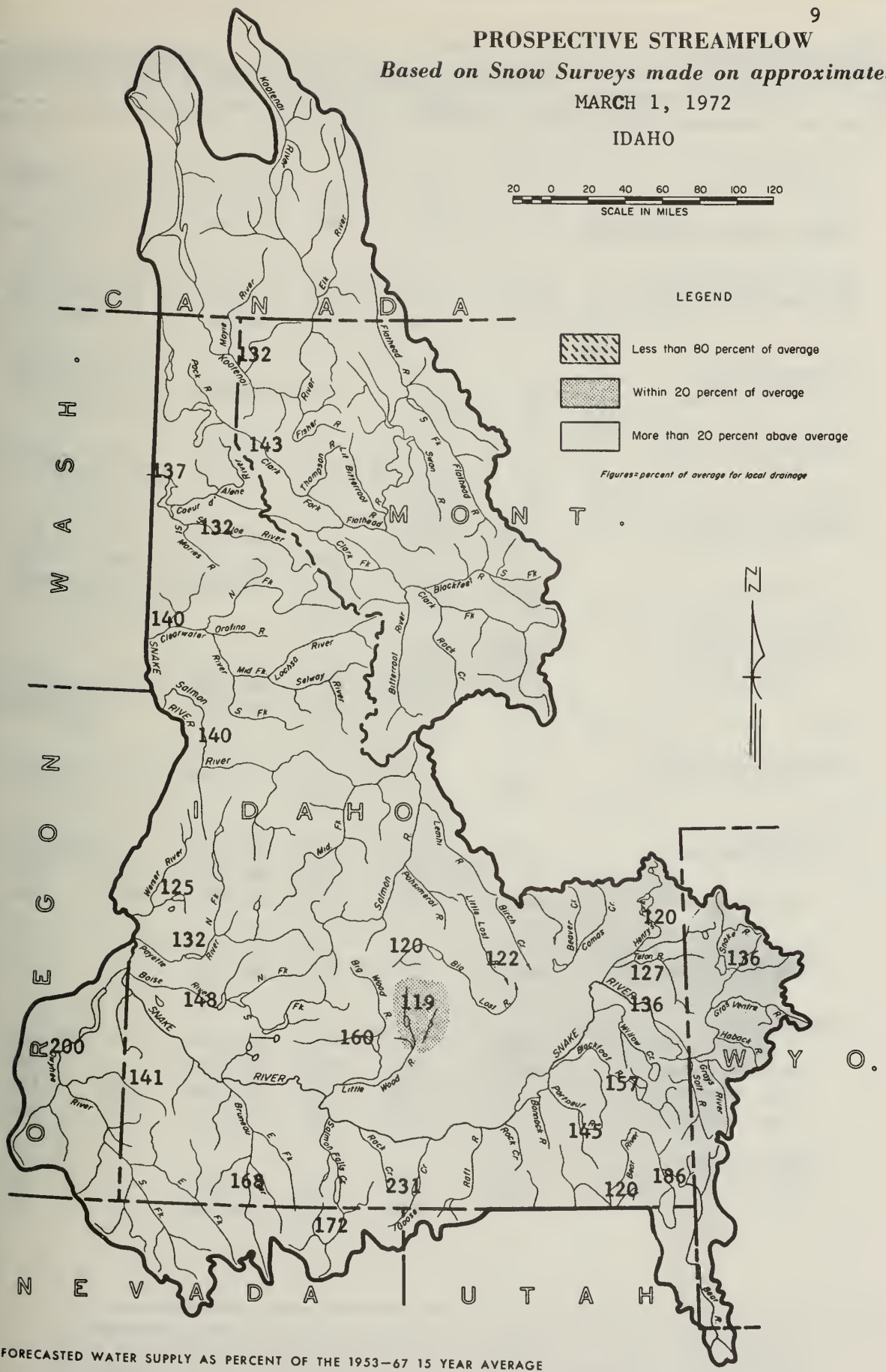

FORECASTED WATER SUPPLY AS PERCENT OF THE 1953–67 15 YEAR AVERAGE

U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Portneuf River						
Topaz	(at)	115	145	Mar-Sep	--	79.4
Oakley Reservoir Inflow		57.5	231	Mar-Sep	--	24.9
Salmon Falls Creek						
San Jacinto	(nr)	120	172	Mar-Sep	--	69.7
		114	173	Mar-Jul	--	66.5
Bruneau River						
Hot Springs	(nr)	320	168	Mar-Sep	--	191
Little Lost River						
Howe	(nr)	46.1	122	Mar-Sep	--	37.8
Big Lost River						
Howell Ranch	(at)	235	120	Apr-Sep	275	196
		170	124	Apr-Jun	184	137
Mackay 1/	(nr)	205	122	Apr-Sep	--	168
Big Wood River						
Magic Reservoir Inflow 2/		420	160	Apr-Sep	616	262
		430	161	Mar-Jul	--	268
Little Wood River						
High Five Creek	(ab)	95	119	Apr-Sep	--	80
Boise River						
Twin Springs	(nr)	1060	148	Apr-Sep	--	718
		990	149	Apr-Jul	--	666
Boise 3/	(nr)	2300	148	Apr-Sep	2610	1556
South Fork						
Anderson Dam 4/	(at)	855	148	Apr-Sep	--	577
Owyhee River						
Gold Cr., Nev. 5/	(nr)	39	243	Apr-Jul	--	16.1
Owyhee, Nev. 5/	(nr)	110	183	Apr-Jul	--	60
Lake Owyhee net inflow 6/		600	200	Apr-Sep	504	300
		700	190	Mar-Jul	696	369
Jordan Creek						
Lone Tree Creek	(ab)	120	141	Apr-Jul	--	85
		120	141	Apr-Sep	--	85

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

+ 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	2430	132	Apr-Sep	2891	1839
Banks 2/	(nr)	1320	134	Apr-Jul	--	984
North Fork						
Cascade 3/	(at)	730	132	Apr-Sep	--	553
Banks 3/	(nr)	950	132	Apr-Sep	--	718
Weiser River						
Weiser ab. Crane Creek 4/		630	125	Mar-Sep	--	504
Salmon River						
Whitebird	(at)	9600	140	Apr-Sep	10398	6850
Challis		1200	135	Apr-Sep	--	892
		1060	136	Apr-Jul	--	779
Clearwater River						
Spalding	(at)	12000	140	Apr-Sep	10707	8578
GREAT BASIN						
BEAR RIVER						
Harer	(at)	420	186	Apr-Sep	--	226
Montpelier Creek						
Montpelier	(nr)	22.5	210	Apr-Sep	--	10.7
Cub River						
Preston	(nr)	57.4	120	Apr-Sep	--	47.8*

*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1953-1967 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter March 1972		Fall - Winter Nov. 71 - March 72	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	3.48	+1.19	16.71	+4.50
Flathead	2.88	+1.11	11.94	+3.32
Clark Fork	1.58	+0.91	5.48	+1.75
Pend Oreille-Spokane	4.66	+1.65	18.48	+3.00
Upper Snake	1.72	-0.17	10.55	+2.21
Snake River Plain	0.80	+0.09	5.52	+1.98
Salmon-Payette-Boise	2.16	+0.33	11.04	+1.67
Clearwater	4.23	+2.11	14.74	+3.63
Owyhee-Malheur	0.75	-0.10	5.05	+0.77

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1953-67) drainage division average.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	3/1	190	80.3	61.1	--
Halverson Creek	4850	3/1	133	57.2	46.2	--
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	2/29	13	4.3	7.1	5.8
Benton Spring	4900	3/1	59	22.0	16.3	18.2
#Mosquito Ridge (A)	5110	3/8	120	43.2	41.1	33.8
#Mosquito Ridge (SP)	5110	2/29	--	40.0	--	--
Schweitzer Bowl	4500	3/1	88	37.0	31.5	--
Schweitzer Ridge	6100	3/1	123	49.7	43.3	--
SPOKANE RIVER						
Above Burke	4100	2/29	95	29.2	28.6	--
Above Burke (SP)	4100	2/29	--	31.2	23.4	--
Copper Ridge	4800	3/1	94	34.2	28.4	26.0
#Forty-nine Meadows	5000	3/8	117	43.4	32.8	28.6*
Fourth of July Summit	3100	2/29	40	13.2	8.3	10.5*
Kellogg Peak (A)	5560	3/8	118	42.5	--	--
Lookout	5250	2/29	134	49.3	40.0	32.3
Lookout (SP)	5250	2/29	--	51.8	--	--
Lower Sands Creek	3400	3/1	72	21.1	19.5	17.8
Mosquito Ridge	5110	3/8	120	43.2	41.1	33.8*
Mosquito Ridge (SP)	5110	2/29	--	40.0	--	--
Outlaw Creek	3750	3/8	68	23.6	16.9	13.7*
Roland Summit (A)	5200	3/8	152	54.7	34.8	34.6*
Sherwin	3200	2/28	72	24.8	13.5	14.1*
Sunset (A)	5600	3/8	146	52.6	--	29.9*
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	2/29	40	15.4	4.5	6.4*
East Twin	4050	2/29	51	19.2	4.9	12.3*
Howard Creek	3450	2/29	26	10.1	0.8	4.5*
Moscow Mountain	4400	2/29	69	24.3	15.9	15.7*
West Twin	4250	2/29	50	17.5	5.6	11.1*
CLEARWATER RIVER						
Cayuse Airstrip	3700	3/7	59	22.8	12.8	11.2
Coolwater Mountain	6200	3/7	133	48.5	34.8	--
Coolwater Mountain (R)	6200	2/28	--	43.6	32.8	--
Coolwater Mountain (SP)	6200	2/28	--	39.0	26.6	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOSC-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
Cottonwood Butte	5140	2/28	62	22.0	10.8	--
Crater Meadows	6100	3/7	170	67.0	49.6	39.8*
Crooked Fork	3800	2/29	63	24.2	14.5	--
Elk Butte	5550	3/8	158	61.2	36.4	35.8*
Fish Lake Airstrip	5000	3/7	159	62.7	41.8	36.2
Forest	4550	3/1	31	12.1	4.8	6.0*
Forty-nine Meadows	5000	3/8	117	43.4	32.8	28.6*
Goat Lake	6600	3/7	156	60.0	43.4	45.0*
Hemlock Butte (SP)	5500	3/1	--	76.4	58.7	--
#Hoodoo Basin Mont.	6000	2/29	171	68.6	56.2	45.6
#Hoodoo Basin (SP) Mont.	6000	3/1	--	68.5	48.6	--
#Hoodoo Creek Mont.	5900	2/29	176	68.8	51.6	42.5*
Lolo Pass	5230	2/29	128	46.7	32.4	29.0*
Lower Snowhaven	5250	2/28	78	27.7	15.4	--
McCann	4300	3/1	26	10.9	5.8	5.7*
#Nez Perce Pass Mont.	6575	2/25	72	22.7	16.6	13.8*
Orogrande Mountain	7800	Delayed			38.2	--
Orogrande Mountain (R)	7800	2/28	--	40.3	39.9	--
Pierce Ranger Station	3170	3/2	64	23.4	9.9	10.3
Powell Ranger Station	4230	2/29	58	21.0	14.3	13.2*
Savage Pass	6600	2/28	106	36.4	28.3	24.9*
Shanghai Summit	4600	3/7	116	46.0	27.2	22.7*
Sweeney	4435	3/1	29	10.4	4.8	6.0*
Upper Snowhaven	5600	2/28	76	27.0	17.4	--
SALMON RIVER						
Big Creek Summit	6600	2/28	122	43.2	41.8	30.1
#Boulder Creek	5500	2/28	82	31.2	27.2	21.0*
Brundage Mountain	7560	2/28	140	52.1	55.2	--
Chapman Creek	4215	2/28	21	6.9	1.8	2.6*
#Deadwood Summit	7000	2/29	142	49.1	56.6	38.2*
#Deadwood Summit (SP)	7000	2/29	--	49.7	--	--
#Galena Summit	8795	2/28	89	27.8	28.8	19.3
#Gibbons Pass Mont.	7100	2/23	90	29.2	26.8	19.5
Johns Creek	3805	2/28	1	0.3	0.3	1.6*
#Lemhi Pass Mont.	7480	3/1	34	10.3	9.4	6.9
#Lemhi Ridge Mont.	8100	3/1	48	14.3	11.4	--
Mill Creek Summit	8870	2/25	72	24.8	25.8	19.3*
Moose Creek	6200	2/29	72	25.6	19.4	14.2
Morgan Creek	7580	2/26	53	16.0	15.6	13.4*
Redfish Lake	6600	2/26	48	13.2	13.2	--
#Rock Flat Summit	5200	2/28	61	20.4	23.0	15.3
#Secesh Summit	6600	3/2	111	39.4	39.3	--
#Squaw Flat (A)	6230	3/7	87	30.8	33.0	--
#Squaw Meadow	5800	3/2	120	43.0	43.4	32.1*
Vienna Mine	8900	3/7	136	51.3	42.9	30.3*
Whitebird Summit	4390	2/28	34	11.6	7.3	5.3*
Williams Creek Summit	7800	2/29	50	14.1	15.3	10.8*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)
Lemhi River						
Above Gilmore	8200	2/28	41	11.4	10.0	8.3*
Aspen-Hall Pass	8110	2/28	38	10.2	9.5	--
Copes Camp	7500	2/29	35	9.0	7.8	6.5*
Hall Creek	7560	2/29	35	11.0	4.2	--
Meadow Lake	9100	2/28	63	22.3	19.9	17.0*
Schwartz Lake	8500	2/29	49	14.5	12.9	10.5*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	2/29	10.2	10.3	10.2
Lookout	5250	48	11.0	2/29	6.8	8.4	7.5
CLEARWATER RIVER							
Brown	3100	36	6.7	2/29	5.9	5.9	5.8
Midway	2200	36	6.1	2/29	5.3	5.0	5.1
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	2/25	4.2	5.5	4.4
Lemhi River							
Above Gilmore	8200	60	5.4	2/28	3.9	2.8	2.4
Meadow Lake	9100	48	4.4	2/28	2.4	2.4	1.9

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average 6
LITTLE LOST RIVER						
Fairview Guard Station	6750	2/28	22	5.6	4.4	4.1*
Lost Garfield	6600	2/28	21	6.0	4.4	3.4*
Moonshine	7450	2/28	40	12.7	10.1	9.4*
Sawmill Canyon	6900	2/28	32	8.8	8.8	7.1*
Wet Creek Summit	7600	2/29	48	14.9	14.6	9.3*
BIG LOST RIVER						
Bear Canyon	7920	3/7	55	16.3	22.5	15.2
Cherry Creek Pass (A)	8900	3/7	14	4.1	1.4	--
Copper Basin	7650	3/7	28	9.0	12.0	8.0
Dry Fork (A)	7340	3/1	52	16.4	18.2	--
Fishpole Lake (A)	9350	3/7	52	16.2	23.1	--
Grasshopper (A)	8400	3/7	51	15.0	17.8	--
Iron Bog	7650	3/1	45	14.2	17.6	11.0*
Leadbelt	6800	3/1	28	8.6	10.4	8.0*
Lost-Wood Divide (A)	7900	3/7	87	32.2	25.8	20.4*
Mammoth Canyon (A)	8300	3/7	16	5.0	5.8	--
North Fork Meadow (A)	8150	3/7	41	12.9	14.4	--
Stickney Mill	7500	3/7	36	10.0	10.9	7.8
White Knob	7700	3/2	40	13.1	10.4	7.0*
FISH CREEK						
#Dry Fork (A)	7340	3/1	52	16.4	18.2	--
Iron Mine Creek	6370	2/24	33	9.0	13.0	8.8*
Telfer Ranch	6000	2/24	28	7.7	10.9	6.9
LITTLE WOOD RIVER						
#Bear Canyon	7920	3/7	55	16.3	22.5	15.2
Garfield Ranger Station	6554	2/25	33	8.8	15.0	9.0
Muldoon	6300	2/25	25	6.7	10.6	7.2
Porcupine (A)	8350	3/7	63	19.7	24.1	--
Swede Peak	7500	2/25	49	14.1	21.9	14.4*
BIG WOOD RIVER						
Camas Creeks Divide (A)	5720	2/25	39	13.7	11.5	--
#Couch Summit	6950	2/29	57	18.5	25.4	15.2*
Dollarhide Summit (A)	8620	3/7	93	34.4	30.8	21.8*
Galena	7300	2/28	75	23.0	23.2	16.6
Galena Summit	8795	2/28	89	27.8	28.8	19.3
Graham Ranch	6200	2/29	42	13.2	17.4	11.5
#Lost Wood Divide (A)	7900	3/7	87	32.2	25.8	20.4*
Mascot Mine	7900	3/2	45	13.1	15.4	11.8

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (inches)	THIS YEAR: Water Content (inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Mount Baldy	9000	2/29	72	20.6	23.5	17.0
#Porcupine (A)	8350	3/7	63	19.7	24.1	--
Soldier Ranger Station	6100	2/27	40	14.2	17.0	10.0
#Vienna Mine	8900	3/7	136	51.3	42.9	30.3*
CANYON CREEK						
Bennett Mountain	6650	3/2	79	26.1	19.0	14.9*
#Camas Creeks Divide	5720	2/25	39	13.7	11.5	--
#Danskin (A)	5650	3/7	59	20.7	18.3	--
Dixie Hill	5230	2/25	17	6.2	4.7	--
Little Camas Flat	4950	2/25	24	8.6	5.2	--
Long Tom (A)	4550	3/7	6	2.1	2.1	--
#Willow Creek Cabin (A)	4710	3/7	T	T	1.4	--
BOISE RIVER						
Atlanta Summit	7500	3/7	128	46.9	42.1	28.6*
Atlanta Summit (SP)	7500	3/2	--	42.9	40.0	--
Bad Bear	5500	2/29	66	23.2	18.2	11.8*
#Bennett Mountain	6650	3/2	79	26.1	19.0	14.9*
#Bogus Basin	6120	2/29	87	34.2	29.5	18.7
Bogus Basin Road	5360	2/29	30	12.1	8.2	5.2*
#Camas Creeks Divide	5720	2/25	39	13.7	11.5	--
Couch Summit	6950	2/29	57	18.5	25.4	15.2*
Danskin (A)	5650	3/7	59	20.7	18.3	--
Deadman Gulch	5600	2/27	75	23.2	20.3	13.2*
#Dixie Hill	5230	2/25	17	6.2	4.7	--
#Dollarhide Summit (A)	8620	3/7	93	34.4	30.8	21.8*
Jackson Peak (A)	7000	2/29	110	40.5	37.2	26.5*
#Little Camas Flat	4950	2/25	24	8.6	5.2	--
#Long Tom (A)	4550	3/7	6	2.1	2.1	--
Moores Creek Summit	6100	2/29	119	42.7	38.9	27.0
Prairie	4900	2/27	34	12.5	9.2	4.7
Road Creek (A)	5550	3/7	55	19.3	12.0	9.0*
#Soldier Ranger Station	6100	2/27	40	14.2	17.0	10.0
Trinity Mountain	7780	3/7	138	55.0	50.6	36.4*
Trinity Mountain (SP)	7780	3/2	--	55.7	--	--
#Vienna Mine	8900	3/7	136	51.3	42.9	30.3*
Willow Creek Cabin (A)	4710	3/7	T	T	1.4	--
PAYETTE RIVER						
#Big Creek Summit	6600	2/28	122	43.2	41.8	30.1
Bogus Basin	6120	2/29	87	34.2	29.5	18.7
#Brundage Mountain	7560	2/28	140	52.1	55.2	--
Cozy Cove	5900	3/1	52	19.3	22.3	14.1
Crawford Ranger Station	4800	2/29	34	11.7	11.8	6.9*
#Deadman Gulch	5600	2/27	75	23.2	20.3	13.2*

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USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
Deadwood Airstrip	5440	3/1	50	19.6	18.3	13.7*
Deadwood Dam	5290	3/1	52	19.8	20.5	14.8
Deadwood Summit	7000	2/29	142	49.1	56.6	38.2*
Deadwood Summit (SP)	7000	3/2	--	50.7	--	--
Greenfield Flat (A)	7370	3/7	144	51.0	47.9	--
High Valley Summit	5170	2/25	49	14.8	13.9	8.7*
#Jackson Peak (A)	7000	2/29	110	40.5	37.2	26.5*
Lake Fork	6000	2/25	58	18.4	20.2	13.8*
#Mica Ridge (A)	6800	3/7	119	42.1	43.6	--
Rock Flat Summit	5200	2/28	61	20.4	23.0	15.3
Secesh Summit	6600	3/2	111	39.4	39.3	--
Silver Creek Ridge (A)	5700	3/7	73	25.8	24.0	--
#Squaw Flat (A)	6230	3/7	87	30.8	33.0	--
Squaw Meadow	5800	3/2	120	43.0	43.4	32.1*
Tripod Summit	5200	2/25	66	20.8	20.8	15.6*
WEISER RIVER						
Boulder Creek	5500	2/28	82	31.2	27.2	21.0*
Mica Ridge (A)	6800	3/7	119	42.1	43.6	--
Placer Creek	6000	2/25	68	22.0	22.7	14.1*
Squaw Flat (A)	6230	3/7	87	30.8	33.0	--
MANN CREEK						
Mann Creek	5980	2/24	76	28.1	30.4	--
Robinson Creek Ridge	6220	2/24	60	22.5	27.8	--
Sturgill Ridge	6680	2/24	90	35.1	36.5	--
Thorson Cabin	5320	2/24	47	15.8	17.5	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	2/28	8.2	7.8	8.4
Wet Creek Summit	8175	48	17.1	2/29	13.6	13.1	12.4
BIG WOOD RIVER							
Galena	7300	48	10.1	2/28	6.0	7.3	6.2
Galena Summit	8795	48	5.8	2/28	2.1	Frozen	1.8

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Boy Scout Camp	7600	3/8	56	21.0	15.3	12.8*
Clear Creek Mdws. Utah	9050	3/8	70	24.9	21.8	17.5*
George Peak (SP)	9000	2/29	--	25.3	--	--
Howell Canyon	8000	3/1	109	42.4	30.1	20.5
One Mile Summit Utah	7330	3/8	28	8.4	9.0	6.5*
Sheep Hollow	6200	3/8	23	8.4	5.7	4.8*
Sublett	6000	3/2	53	18.0	12.9	9.0
Summit Springs	6400	3/2	54	19.3	13.8	8.2*
GOOSE CREEK						
Badger Gulch	6660	3/1	58	20.4	11.7	9.3
Bostetter Rgr. Sta.	7500	3/8	89	34.8	21.6	15.8
Vi Pont (A)	7670	3/8	62	23.0	--	--
SALMON FALLS CREEK						
#Bear Creek Nev.	7800	3/7	64	25.0	22.1	15.3*
Cedar Creek	7000	3/7	47	17.0	10.0	8.9*
Deadline	6900	2/28	102	40.6	23.5	18.1*
#Fox Creek Nev.	6800	3/7	35	12.7	12.2	7.9*
Goat Creek Nev.	8800	3/7	61	21.8	22.4	14.9*
#Hummingbird Spgs. Nev.	8945	3/7	83	30.2	28.0	17.5*
Magic Mountain	6700	2/28	85	32.7	19.9	14.5
#Pole Creek R.S. Nev.	8330	3/7	68	25.8	24.2	15.3*
Red Point Nev.	7940	3/7	40	13.3	13.4	9.5*
Shoshone Basin	5740	2/28	35	14.0	4.0	3.2*
Wilson Creek (A)	7500	3/7	51	20.2	11.2	--
BRUNEAU RIVER						
Bear Creek Nev.	7800	3/7	64	25.0	22.1	15.3*
Fox Creek Nev.	6800	3/7	35	12.7	12.2	7.9*
Hummingbird Spgs. Nev.	8945	3/7	83	30.2	28.0	17.5*
Pole Creek R.S. Nev.	8330	3/7	68	25.8	24.2	15.3*
#Seventy-six Creek (A) Nev.	7100	2/25	47	15.5	12.3	9.1*
#Seventy-six Creek Nev.	7100	3/7	52	20.0	12.3	9.1*
OWYHEE RIVER						
Antelope Ridge	5900	2/28	40	14.3	7.5	4.2*
Battle Creek (A)	5700	3/7	12	4.2	1.2	--
#Bear Creek Nev.	7800	3/7	64	25.0	22.1	15.3*
Bull Basin (A)	5600	3/7	0	0.0	1.2	--
#Fox Creek Nev.	6800	3/7	35	12.7	12.2	7.9*
Hyde Pasture (A)	5800	3/7	21	8.0	5.1	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average 6
Mud Flat	5500	2/28	30	9.3	6.3	4.7*
Red Canyon (A)	6650	3/7	36	12.6	6.7	--
#Seventy-six Creek (A)	Nev. 7100	2/25	47	15.5	12.3	9.1*
#Seventy-six Creek	Nev. 7100	3/7	52	20.0	12.3	9.1*
Silver City	6400	3/1	64	25.6	15.7	12.5
South Mountain	6340	2/25	62	19.1	12.7	9.5
Succor Creek (A)	6100	3/7	36	13.6	2.6	--
Triangle (A)	5150	3/7	0	0.0	1.2	--
Vaught Ranch (A)	5950	3/7	18	6.3	1.2	--
War Eagle (A)	7700	3/7	69	24.1	16.6	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Conner Pass	5700	36	9.8	2/28	9.0	8.9	--
Howell Canyon	8000	48	11.5	3/1	7.6	9.6	7.2
Sheep Hollow	6200	36	7.5	3/8	6.5	7.0	6.1
Sublett	6000	36	7.0	3/2	6.1	6.0	5.8
GOOSE CREEK							
Badger Gulch	6660	36	7.0	3/1	6.5	7.0	6.3
SALMON FALLS CREEK							
Patrick Ranch	5720	36	7.7	3/7	7.0	6.6	6.7
Pole Creek R. S.	8330	48	9.7	3/7	8.0	9.1	4.9
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	3/7	11.0	15.4	10.9
OWYHEE RIVER							
Mud Flat	5500	48	12.8	2/28	14.0	14.0	14.4

*(b) 1953-67, 15 year period. #Not located directly an this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

0554-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	2/25	33	9.9	13.3	7.8
Kilgore	6200	2/28	33	11.2	15.6	8.3
MEDICINE LODGE CREEK						
Irving Creek	7035	2/28	27	6.4	7.7	4.5*
Webber Creek	6700	2/28	30	7.2	7.9	4.2*
HENRYS FORK RIVER						
Big Springs	6500	2/28	70	25.6	26.2	17.9
Black Canyon	7850	2/25	106	38.4	39.6	28.5*
Black Moose	8125	2/25	133	53.2	47.6	34.0*
Grassy Lake Wyo.	7230	3/1	116	43.3	41.1	29.1
Island Park	6315	2/28	51	17.6	20.7	13.9
Latham Springs	7650	2/25	96	34.8	37.4	27.8*
Lucky Dog	6900	2/25	74	27.8	32.0	21.1*
Old Road	7250	2/25	69	23.4	34.8	24.3*
Poacher's Cabin	8000	2/25	98	37.2	37.8	29.0*
Sawtelle Mountain	8715	2/28	94	35.8	39.5	--
Targhee Pass	7000	2/28	49	16.5	18.7	12.0*
Valley View	6500	2/28	51	19.1	22.2	13.3
TETON RIVER						
Freds Mountain	8000	2/29	78	29.4	28.6	--
Pine Creek Pass	6750	2/29	57	20.9	17.1	14.6*
State Line	6400	2/29	54	19.1	14.1	12.2
WILLOW CREEK						
Aspen Grove	6600	2/29	45	16.2	12.2	--
Birch Creek	6800	2/29	61	25.5	10.1	--
Bone	6200	3/1	33	11.1	9.1	--
Ozone	5800	3/1	0	0.0	0.4	--
Sheep Mountain	6510	3/1	52	18.5	16.1	--
Tex Creek	6700	2/29	41	13.2	9.8	--
SAND CREEK						
Henry Creek	5650	2/28	7	3.4	1.3	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average 6
BLACKFOOT RIVER						
Austin Bros. Ranch	6450	3/1	37	12.2	11.2	6.8*
China Hat	6300	3/1	30	10.0	6.8	5.4
Slug Creek Divide	7225	2/25	61	19.0	19.4	13.1*
Somsen Ranch	7000	3/1	53	17.1	16.9	9.9*
PORTNEUF RIVER						
Cove	5525	3/2	27	9.0	5.8	--
Dempsey Creek	6280	3/1	48	17.1	14.3	9.1*
Lower Pebble	5800	2/29	66	22.8	16.0	--
Mink Creek	6300	3/1	59	21.5	16.6	12.7
Moser	5950	3/2	36	11.5	10.8	--
North Bancroft #1	5460	3/2	16	6.2	5.2	--
North Bancroft #2	5430	3/2	9	3.0	3.2	--
Pebble Creek	6550	3/2	60	22.6	17.6	12.1

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	2/28	8.3	8.3	7.6
Valley View	6500	48	13.3	2/28	7.7	Frozen	Frozen
TETON RIVER							
Pine Creek Pass	6750	48	13.3	2/29	11.7	12.2	12.1
State Line	6400	48	14.8	2/29	14.2	13.9	12.6
Teton Pass	8500	48	10.5	1/27	9.6 f	11.6	7.2
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	2/29	7.6	6.4	4.8
Pebble Creek	6550	48	7.2	3/2	5.6	6.2	4.5

f February Measurement

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	2/25	82	28.8	31.6	19.2*
Emigration Canyon	6500	2/25	50	14.8	13.0	8.6*
Montpelier Creek						
Giveout	6840	2/29	55	18.9	15.3	10.1*
Little Beaver	6970	2/29	63	21.8	19.1	13.4*
Lower Home Canyon	7500	2/28	55	18.3	17.6	--
Montpelier Creek	6570	2/29	40	12.7	9.7	6.8*
Upper Home Canyon	8500	2/28	81	29.0	30.2	--
Whiskey Flat	6985	2/29	44	14.9	13.2	8.1*
Mink Creek						
Christensen Ranch	5600	2/28	27	7.6	10.6	7.3*
Dry Basin (A)	7900	2/28	85	29.8	34.0	--
#Emigrant Summit	7350	2/25	82	28.8	31.6	19.2*
Horseshoe Basin (A)	8000	2/28	66	23.2	30.0	--
Liberty Spring	8600	3/1	113	43.4	46.9	--
Strawberry Creek	5800	2/28	36	11.9	12.4	9.3*
Strawberry Mink Divide	6800	3/1	67	25.9	25.8	17.2*
Cub River						
Cub River R. S.	5400	2/28	27	8.5	10.2	7.5*
Willow Flat	6100	2/28	47	16.9	18.3	12.7*
MALAD RIVER						
Cliff Canyon	7200	2/25	49	15.0	9.6	--
Daniels Creek	6400	2/25	37	10.0	7.5	--
Dry Creek Flat	6350	2/28	28	10.1	10.8	6.2*
Lower Elkhorn	6850	2/25	53	18.5	13.9	--
Oxford Mountain	6800	2/28	38	12.9	11.4	8.0*
Upper Elkhorn	7100	2/25	70	23.1	20.0	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	2/25	7.1	6.7	6.2
Strawberry Creek	5800	48	12.7	2/25	11.8	11.7	8.0
Montpelier Creek							
Giveout Pass	7025	36	9.4	2/29	Frozen	7.4	4.2
Jenson Ranch	6580	48	18.7	2/29	7.6	7.4	10.5

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
ROOM 345
304 N. 8TH ST.
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WATER SUPPLY OUTLOOK FOR IDAHO

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APR 25 1972
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

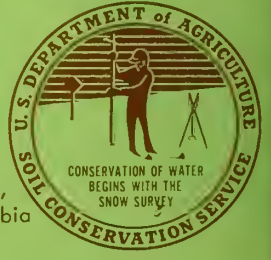
The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



USDA-SCS PORTLAND, OREG. 1970

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

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SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

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Report prepared by

JACK A. WILSON, Acting Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR APRIL 1, 1972

The water supply outlook for 1972 is good to excellent throughout Idaho. Forecasts of streamflow for major drainages vary from average runoff for the Little Wood River to a high of 195% of normal for the Bear River at Harer. Forecasts for smaller drainages vary from 115% of average for the Cub River near Preston to over 200% of normal for Montpelier Creek and the Inflow to Oakley Reservoir.

Snowfall during March was below normal throughout the state; however, total winter accumulation in general is above average. Snowpack water content on the major watersheds ranges from average on the Lost Rivers to a high of 155% of normal on the Portneuf River. A few small, low elevation drainages are well below normal in snow-water equivalent, varying from 40% of average on Fish Creek to 75% on the Priest and Little Wood Rivers.

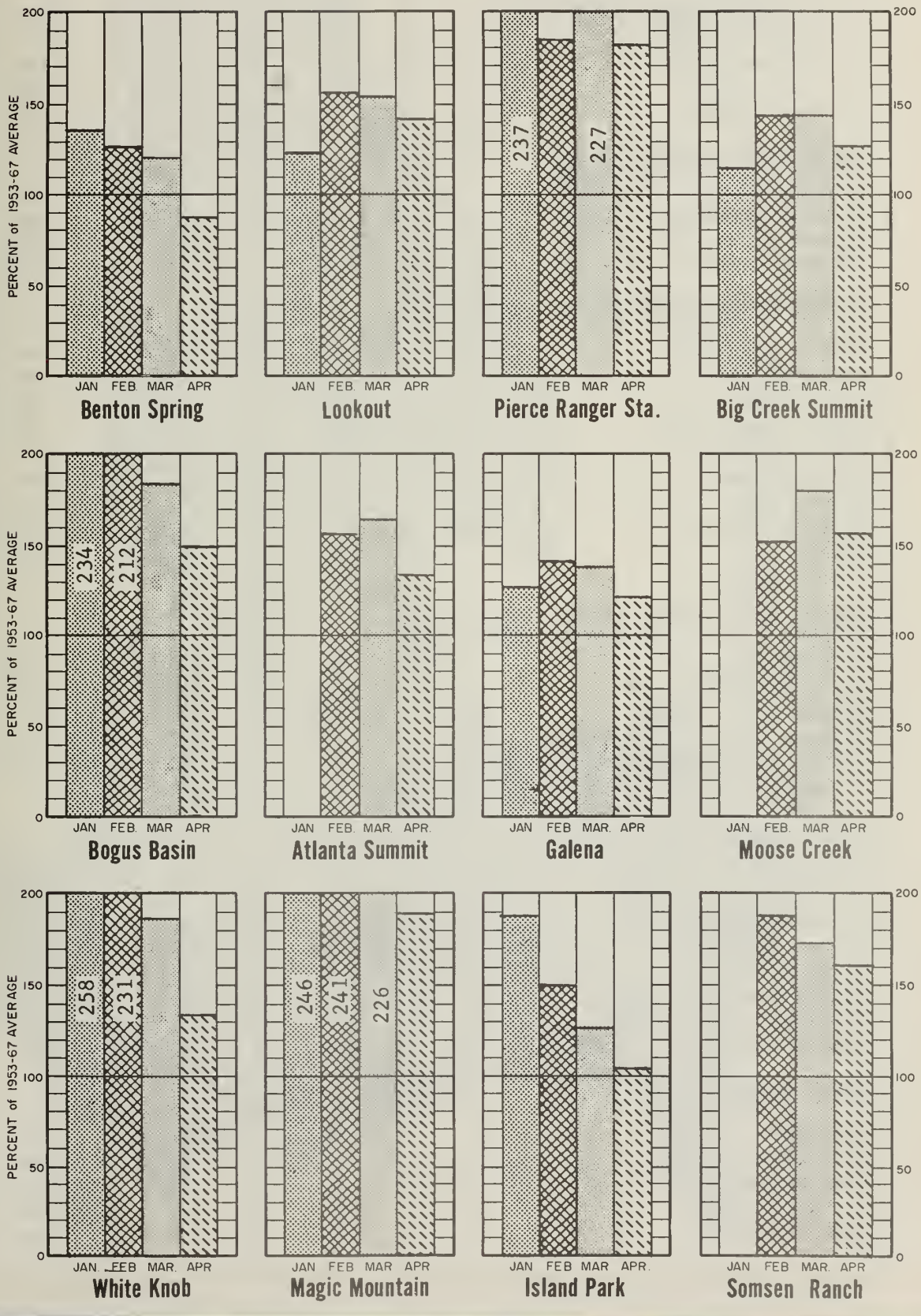
Valley precipitation ranged from slightly below normal on the Snake River Plain to well above average on all north Idaho drainages. March temperatures were above normal throughout Idaho varying from near normal in the north central prairies to well above average in the eastern and northeastern areas. Warm temperatures caused early season snowmelt in lower and middle elevation areas, resulting in considerable runoff which would normally occur later in the spring.

Streamflow averaged higher than for any previous March of record in many rivers and was near the maximum of record for the month in many others. New maximums for the month were recorded at the following index stations: Salmon River at Whitebird, Coeur d'Alene River at Enaville, Clearwater River at Orofino, and Snake River near Heise and at Weiser. Flow has not been exceeded in St. Joe River at Calder since 1934, in Boise River above Reservoirs since 1910 and has been exceeded only twice in 59 years of record in Weiser River near Weiser.

Water storage in reservoirs for power in north Idaho was above average. Storage for irrigation in south Idaho was below average because space was being evacuated to provide for expected high flows during the snowmelt runoff period. All major reservoirs are expected to be filled for the start of irrigation. The Oakley and Salmon Falls Reservoirs may fill this season for the first time on record.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1953-67 15 Yr. Average

APRIL 1, 1972



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	19	115	140
Pend Oreille River	79	120	145
Clark Fork River	50	130	150
Flathead River	29	110	140
Priest River	2-4	85	75
Spokane River	15-16	110	135
LOWER SNAKE RIVER BASIN			
Palouse River	5	110	95
Clearwater River	21-22	120	145
Salmon River	20-31	90	130
Lemhi River	4-6	95	125
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	75	100
Big Lost River	7-16	70	100
Fish Creek	2-3	40	40
Little Wood River	4-5	50	75
Big Wood River	10-12	80	120
Canyon Creek	1-3	95	160
Boise River	15	90	135
Payette River	14-15	80	125
Weiser	2	80	125
Mann Creek	4	75	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	110	150
Goose-Trapper Creeks	2-3	135	175
Salmon Falls Creek	10	100	145
Bruneau River	5	90	130
Owyhee River - Idaho	7	105	150
Jordan Creek	2	125	175
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	23	85	130
Camas-Beaver Creeks	3	55	100
Medicine Lodge Creek	2	65	140
Henrys Fork River	11-12	80	115
Teton River	2-3	90	125
Willow-Sand Creeks	8	100	--
Blackfoot River	4	80	140
Portneuf River	3-6	90	155
GREAT BASIN			
Bear River	4-6	86	118
Montpelier Creek	4-6	95	160
Mink Creek	5	75	115
Cub River	3	65	100
Malad River	2-5	75	55

SNOW WATER DEPTHS

As percent of 1953-67 15 year average

APRIL 1, 1972

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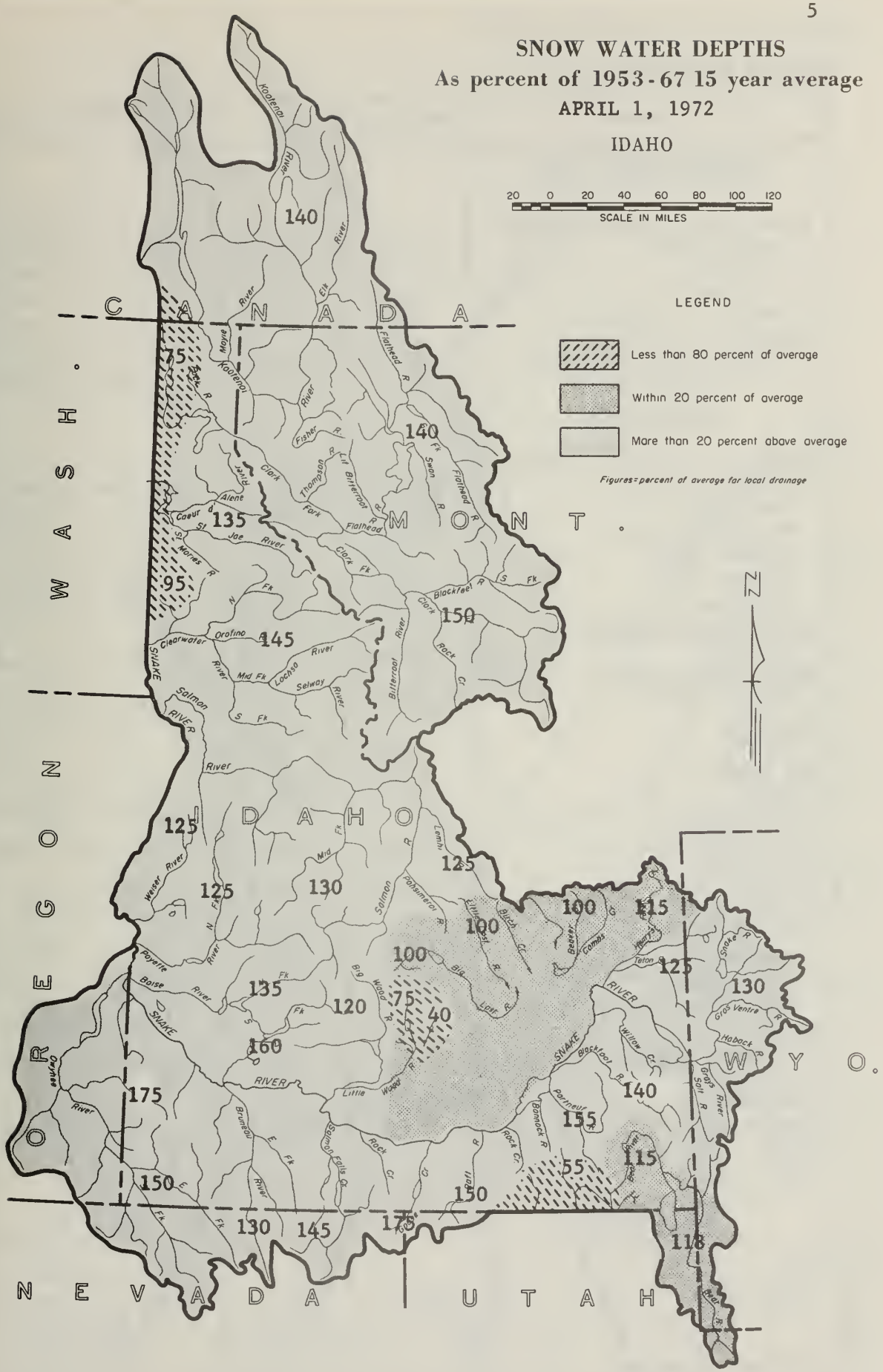


RESERVOIR STORAGE (1,000 Ac. Ft.)

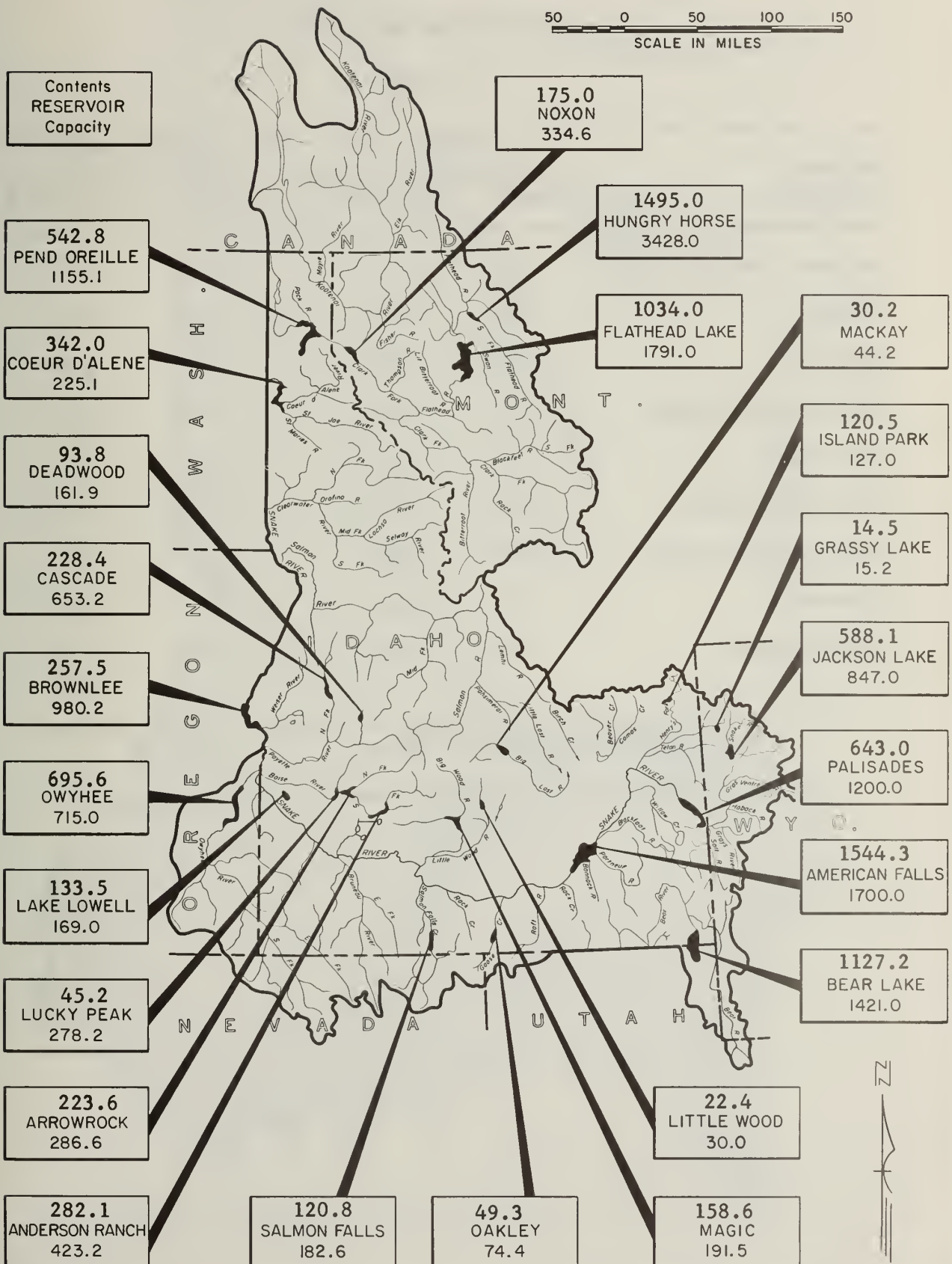
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1495.0	1980.0	2077.0*
Flathead	1791.0	1034.0	732.0	746.7
Pend Oreille	1155.1	542.8	386.1	423.7
Noxon	334.6	175.0	206.0	188.0*
Spokane				
Coeur d'Alene	225.1	342.0	137.9	154.6
SNAKE BASIN				
Snake				
Jackson Lake	847.0	588.1	611.2	430.7
Palisades	1200.0	643.0	610.3	728.6*
American Falls	1700.0	1544.3	1675.3	1601.9
Island Park	127.0	120.5	130.2	123.0
Grassy Lake	15.2	14.5	12.5	11.1
Brownlee	980.2	257.5	229.1	361.6*
Goose-Trapper Creeks				
Oakley	74.4	49.3	40.4	20.4
Salmon Falls Creek				
Salmon Falls	182.6	120.8	66.1	33.4
Big Lost				
Mackay	44.2	30.2	41.6	32.8
Big Wood				
Magic	191.5	158.6	98.7	119.5
Little Wood				
Little Wood	30.0	22.4	7.1	15.4*
Fish Creek				
Carey Valley	13.0	12.2	11.2	--
Boise				
Anderson Ranch	423.2	282.1	203.3	211.7
Arrowrock	286.6	223.6	195.0	236.0
Lucky Peak	278.2	45.2	38.1	123.5*
Lake Lowell (Deer Flat)	169.0	133.5	125.9	147.1
Owyhee				
Owyhee	715.0	695.6	298.3	476.8
Payette				
Cascade	653.2	228.4	265.9	271.5
Deadwood	161.9	93.8	106.2	79.4
Weiser				
Mann Creek	11.1	5.8	10.2	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1127.2	1091.0	893.7

* Period of Record

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

APRIL 1, 1972



VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter March 1972		Fall - Winter Nov. 71 - Mar. 72	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	2.16	+0.25	18.90	+4.78
Flathead	2.08	+0.62	14.16	+4.08
Clark Fork	1.30	+0.56	6.85	+2.38
Pend Oreille-Spokane	3.68	+0.91	22.04	+3.79
Upper Snake	2.08	+0.39	12.59	+2.56
Snake River Plain	0.65	-0.12	6.14	+1.83
Salmon-Payette-Boise	1.82	+0.06	12.87	+1.74
Clearwater	4.32	+1.82	19.19	+5.58
Owyhee-Malheur	1.09	+0.19	6.01	+0.83

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

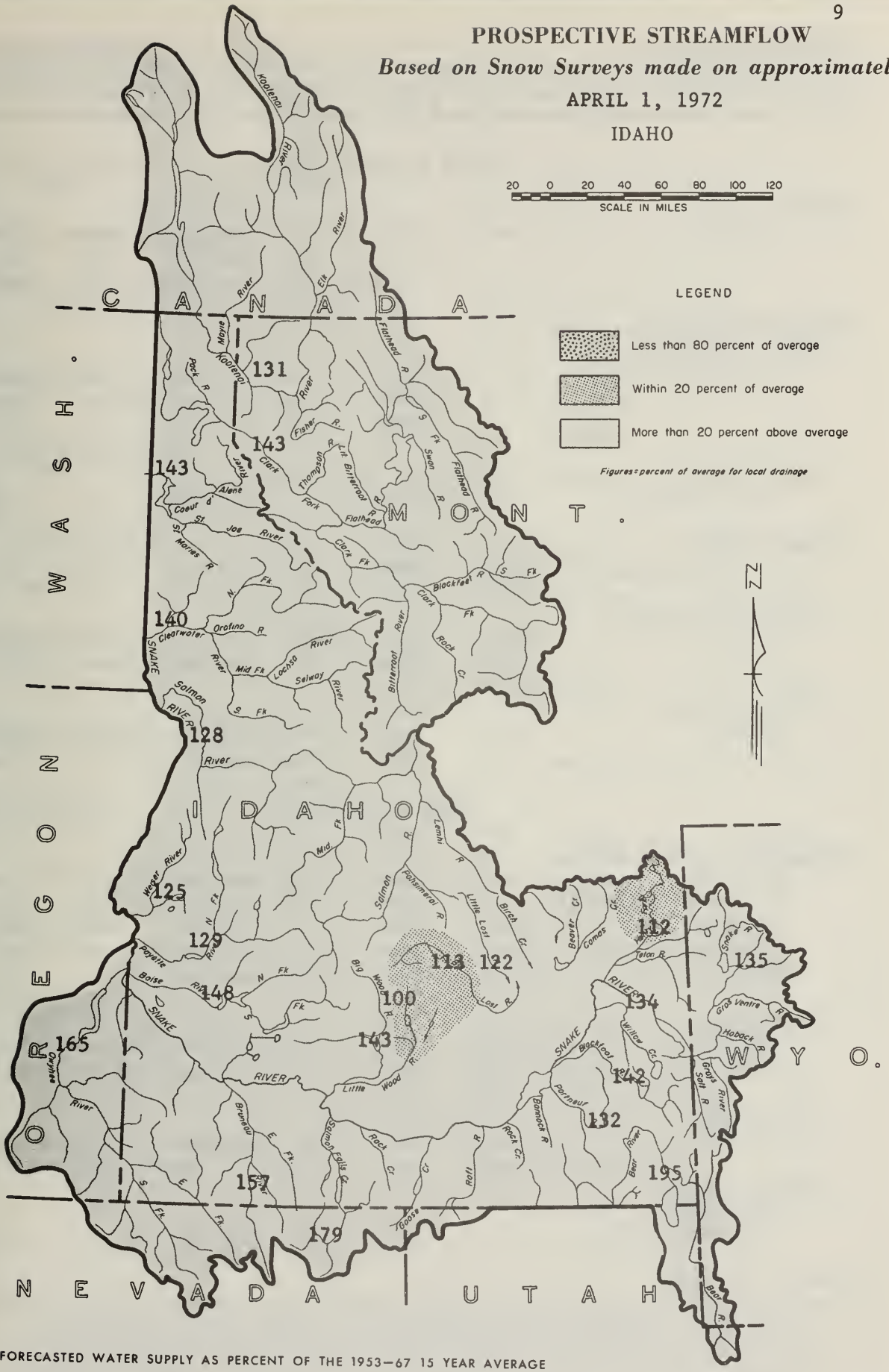
2/ Departure from 15-year (1953-67) drainage division average.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

APRIL 1, 1972

IDAHO



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953—67 15 YEAR AVERAGE

U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	12000	131	Apr-Sep	10484	9198
		10750	133	Apr-Jul	9224	8072
		8600	133	Apr-Jun	7416	6463
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	20000	143	Apr-Sep	--	13987
		18350	144	Apr-Jul	--	12787
		15400	141	Apr-Jun	--	10953
Priest River						
Priest River 1/	(at)	885	97	Apr-Jul	--	914
SPOKANE RIVER						
Post Falls 2/	(at)	4500	143	Apr-Sep	3907	3140
Coeur d'Alene River						
Cataldo	(nr)	1725	137	Apr-Sep	--	1259
		1670	139	Apr-Jul	--	1201
St. Joe River						
Calder	(at)	2010	148	Apr-Sep	--	1359
		1935	150	Apr-Jul	--	1291
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	1140	135	Apr-Sep	1272	846
Palisades Inflow 3/		4900	140	Apr-Sep	5800	3500
Heise 4/	(nr)	5000	134	Apr-Sep	6267	3743
Blackfoot 5/	(nr)	5150	133	Apr-Jul	--	3871
Weiser	(at)	9000	143	Apr-Sep	--	6306
Henrys Fork						
Ashton 6/	(nr)	685	112	Apr-Sep	--	609
Rexburg 7/	(nr)	1400	114	Apr-Sep	--	1229
Teton River						
St. Anthony	(nr)	480	122	Apr-Sep	--	394
Blackfoot River						
Blackfoot Reservoir Inflow		145	142	Apr-Sep	--	102*

*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
Portneuf River						
Topaz	(at)	105	132	Mar-Sep	--	79.4
Oakley Reservoir Inflow		57.5	231	Mar-Sep	--	24.9
Salmon Falls Creek						
San Jacinto	(nr)	125	179	Mar-Sep	159.7	69.7
		120	180	Mar-Jul	153.2	66.5
Bruneau River						
Hot Springs	(nr)	300	157	Mar-Sep	--	191
Little Lost River						
Howe	(nr)	46.1	122	Mar-Sep	--	37.8
Big Lost River						
Howell Ranch	(at)	220	112	Apr-Sep	275	196
		160	117	Apr-Jun	184	137
Mackay 1/	(nr)	190	113	Apr-Sep	--	168
Big Wood River						
Magic Reservoir		375	143	Apr-Sep	616	262
Inflow 2/		390	146	Mar-Jul	--	268
Little Wood River						
High Five Creek	(ab)	80	100	Apr-Sep	--	80
Boise River						
Twin Springs	(nr)	1060	148	Apr-Sep	--	718
		990	149	Apr-Jul	--	666
Boise 3/	(nr)	2300	148	Apr-Sep	2610	1556
South Fork						
Anderson Dam 4/	(at)	855	148	Apr-Sep	--	577
Owyhee River						
Gold Cr., Nev. 5/	(nr)	30	188	Apr-Jul	--	16.1
Owyhee, Nev. 5/	(nr)	80	133	Apr-Jul	--	60
Lake Owyhee		417	139	Apr-Sep	504	300
net inflow 6/		394	140	Apr-Jul	478	281
Jordan Creek						
Lone Tree Creek	(ab)	129	154	Apr-Jul	--	85

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

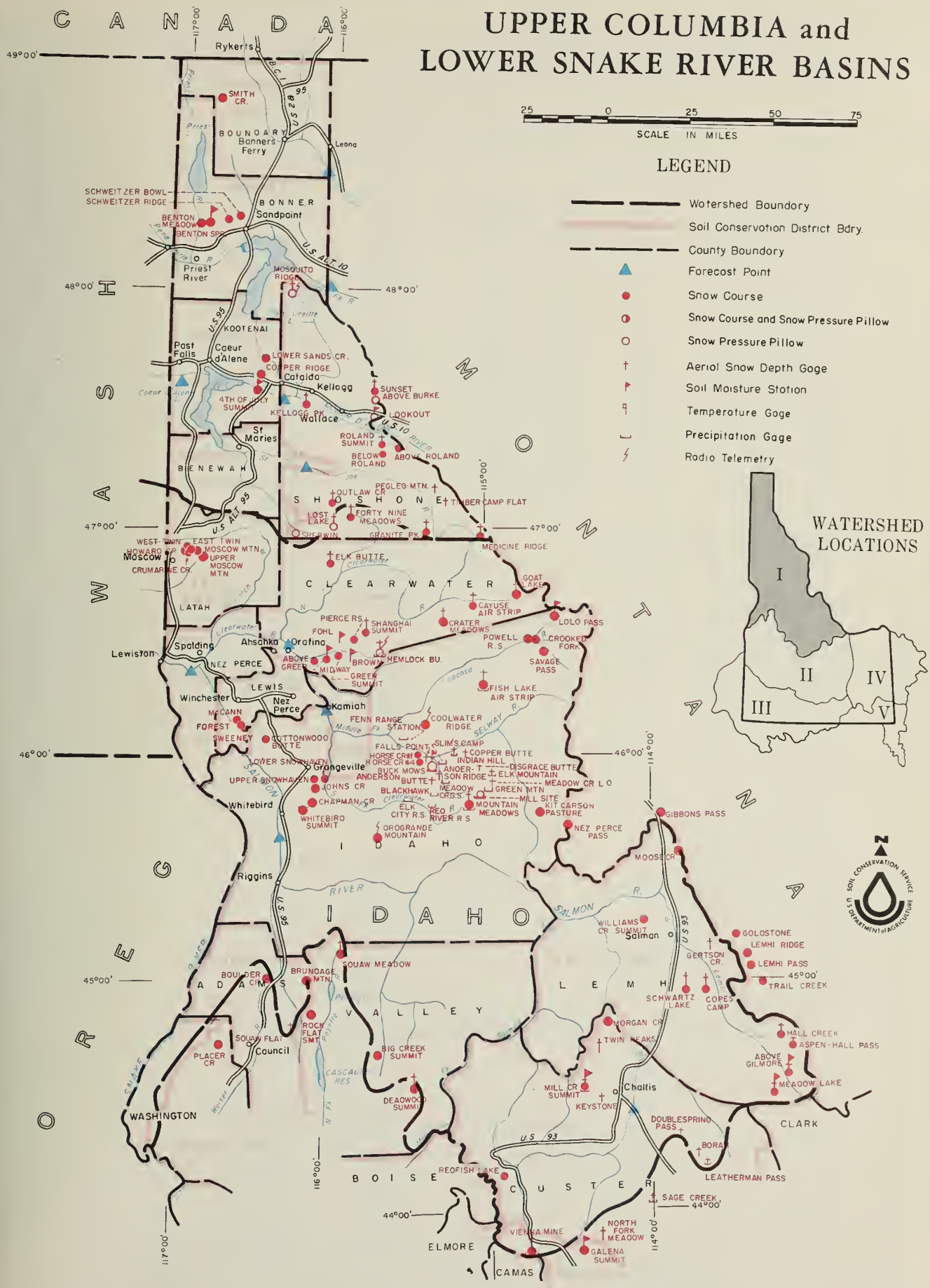
† 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	2375	129	Apr-Sep	2891	1839
Banks 2/	(nr)	1300	132	Apr-Jul	--	984
North Fork						
Cascade 3/	(at)	710	129	Apr-Sep	--	553
Banks 3/	(nr)	925	129	Apr-Sep	--	718
Weiser River						
Weiser ab. Crane Creek 4/		630	125	Mar-Sep	--	504
Salmon River						
Whitebird	(at)	8800	128	Apr-Sep	10398	6850
Challis	(nr)	1150	129	Apr-Sep	--	892
		1020	131	Apr-Jul	--	779
Clearwater River						
Spalding	(at)	12000	140	Apr-Sep	10707	8578
GREAT BASIN						
BEAR RIVER						
Harer	(at)	440	195	Apr-Sep	--	226
Montpelier Creek						
Montpelier	(nr)	22.5	210	Apr-Sep	--	10.7
Cub River						
Preston	(nr)	55.0	115	Apr-Sep	--	47.8*

*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1953-1967 period.


UPPER COLUMBIA and
LOWER SNAKE RIVER BASINS
SCALE IN MILES
25 0 25 50 75
LEGEND
Watershed Boundary
Soil Conservation District Bdry.
County Boundary
Forecast Point
Snow Course
Snow Course and Snow Pressure Pillow
Snow Pressure Pillow
Aerial Snow Depth Gage
Soil Moisture Station
Temperature Gage
Precipitation Gage
Radio Telemetry
WATERSHED LOCATIONS
I
II
III
IV
V
CANADA
IDAHO
WASHINGTON
OREGON
MONTANA
Rykerts
SMITH CR.
BOUNDARY
Bonners Ferry
Leona
SCHWEITZER BOWL
SCHWEITZER RIDGE
BENTON MEADOW
BENTON SPR.
BONNER
Sandpoint
Priest River
MOSQUITO RIDGE
KOOTENAI
Post Falls
Coeur d'Alene
LOWER SANDS CR.
COPPER RIDGE
Cataldo
Kellogg
SUNSET
ABOVE BURKE
LOOKOUT
4TH OF JULY SUMMIT
KELLOGG PK.
Wallace
St Maries
ROLAND SUMMIT
BELOW ROLAND
ABOVE ROLAND
BENEWAH
SHOSHONE
OUTLAW CR.
PEGLEG MTN.
TIMBER CAMP FLAT
LOST LAKE
FORTY NINE MEADOWS
SHERWIN
GRANITE PK.
MEDICINE RIDGE
WEST TWIN
EAST TWIN
HOWARD CR.
MOSCOW MTN.
UPPER MOSCOW MTN.
Moscow
CRUMARINE CR.
ELK BUTTE
CLEARWATER
GOAT LAKE
LATAH
CAYUSE AIR STRIP
CRATER MEADOWS
LOLO PASS
PIERCE RS
SHANGHAI SUMMIT
FOHL
POWELL R.S.
CROOKED FORK
Spalding
Ahsahka
Orofino
ABOVE GREER
MIDWAY
BROWN
HEMLOCK BU.
GREER SUMMIT
SAVAGE PASS
NEZ PERCE
Lewiston
LEWIS
FISH LAKE AIR STRIP
Winchester
Nez Perce
Kamiah
McCANN
FOREST
SWEENEY
COTTONWOOD BUTTE
FENN RANGE STATIONS
COOLWATER RIDGE
FALLS POINT
SLIM'S CAMP
COPPER BUTTE
HORSE CR.
INDIAN HILL
DISGRACE BUTTE
LOWER SNOWHAVEN
Grangeville
BUCK MOWS
ANDERSON BUTTE
SON RIDGE
ELK MOUNTAIN
MEADOW CR LO
UPPER SNOWHAVEN
JOHNS CR
BLACKHAWK CRGS.
MEADOW CRGS.
GREEN MTN
MILL SITE
Whitebird
CHAPMAN CR
ELK CITY R.S.
REO RIVER R.S.
MOUNTAIN MEADOWS
KIT CARSON PASTURE
WHITEBIRD SUMMIT
OROGRANDE MOUNTAIN
NEZ PERCE PASS
GIBBONS PASS
MOOSE CR.
Riggins
SALMON RIVER
WILLIAMS CR SUMMIT
Salmon
GOLDSTONE
LEMHI RIDGE
GERTSON CR.
LEMHI PASS
TRAIL CREEK
BOULDER
ADAMS
BRUNDAGE MTN.
SQUAW MEADOW
LEMHI VALLEY
SCHWARTZ LAKE
COPES CAMP
ROCK FLAT SMT.
SQUAW FLAT
Council
PLACER CR.
BIG CREEK SUMMIT
MORGAN CR.
TWIN PEAKS
HALL CREEK
ASPEN-HALL PASS
ABOVE GILMORE
MEADOW LAKE
DEADWOOD SUMMIT
MILL CR. SUMMIT
KEYSTONE
Challis
DOUBLESPRING PASS
BORAH
CLARK
LEATHERMAN PASS
BOISE
REDFISH LAKE
CUSTER
SAGE CREEK
VIENNA MINE
NORTH FORK MEADOW
GALENA SUMMIT
ELMORE
CAMAS
US 95
US ALT 95
US 10
US ALT 10
US 93
48°00'
47°00'
46°00'
45°00'
44°00'
116°00'
117°00'
115°00'
114°00'
SOIL CONSERVATION SERVICE
U.S. DEPARTMENT of AGRICULTURE

ID-1a

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
16A1	I	Smith Creek	29	64N	3W	4800
PEND OREILLE - PRIEST RIVER						
16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
SPOKANE RIVER						
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B15a	I	Pegleg Mountain	15	44N	9E	5735
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
15B16a	I	Timber Camp Flat	23	44N	9E	4300
LOWER SNAKE BASIN						
PALOUSE RIVER						
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C7SR	I	Upper Moscow Mountain	16	40N	4W	4600
16C4P	I	West Twin	14	40N	5W	4250

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LON
CLEARWATER RIVER					
16C11	I	Above Greer	14	35N	2E
15D7a	I	Anderson Butte	34	30N	9E
15D8a	I	Anderson Ridge	35	30N	9E
15D9p	I	Blackhawk	31	29N	10E
16C14m	I	Brown	11	35N	3E
15D5MAP	I	Buck Meadows	26	31N	8E
15C3A	I	Cayuse Airstrip	4	38N	11E
15C7R	I	Coolwater Mountain	32	33N	8E
15D10a	I	Copper Butte	35	31N	10E
16C16	I	Cottonwood Butte	33	32N	1W
15C9A	I	Crater Meadows	2	3?	9E
14C10	I	Crooked Fork	27	37N	14E
15D11a	I	Disgrace Butte	26	30N	10E
16C15A	I	Elk Butte	6	40N	3E
15D12p	I	Elk City Rgr. Sta.	23	29N	8E
15D13ap	I	Elk Mountain	34	30N	11E
15C11a	I	Falls Point	10	31N	9E
15C12p	I	Fenn Ranger Station	23	32N	7E
15C2AP	I	Fish Lake Airstrip	35	35N	11E
15C8m	I	Fohl	16	36N	5E
16C9	I	Forest	1	32N	3W
15B3A	I	Forty-nine Meadows	6	43N	5E
14C9A	I	Goat Lake	4	38N	13E
15D14p	I	Green Mountain	15	28N	11E
16C13	I	Greer Summit	13	35N	2E
15C6APR	I	Hemlock Butte	7	36N	7E
15C8s	M	Hoodoo Basin	17	14N	27W
15C1	M	Hoodoo Creek	16	14N	27W
15C14	I	Horse Creek #1	25	31N	8E
15C15	I	Horse Creek #4	5	30N	9E
15D21a	I	Horse Point	4	30N	9E
15D22ap	I	Indian Hill	30	31N	10E
14D3	I	Kit Carson Pasture	4	27N	16E
14C5M	I	Lolo Pass	16	38N	15E
15B14AS	I	Lost Lake	16	43N	4E
15D15p	I	Lower Horse Creek	28	31N	9E
16D7	I	Lower Snowhaven	9	29N	3E
16C8	I	McCann	25	33N	3W
15D16p	I	Meadow Creek Guard Station	5	29N	10E
15D17a	I	Meadow Creek Lookout	25	29N	11E
16C12M	I	Midway	14	35N	2E
15D18ps	I	Mill Site	22	28N	11E
15D6AP	I	Mountain Meadows	9	27N	10E
14D1	M	Nez Perce Pass	25	1S	24W
15D4R	I	Orogrande Mountain	24	27N	6E
15C5	I	Pierce Kanger Station	2	36N	5E
14C6	I	Powell Ranger Station	33	37N	14E
15D19p	I	Red River Ranger Station	4	27N	9E
15D20a	I	Sable Hill	14	29N	10E
14C4	I	Savage Pass	18	36N	15E
15C4A	I	Shanghai Summit	7	37N	6E
15C13p	I	Slim's Camp	11	31N	9E
16C10	I	Sweeney	1	32N	3W
16D4	I	Upper Snowhaven	8 & 9	29N	3E
SALMON RIVER					
13E19MA	I	Above Gilmore	13	13N	26E
13E21A	I	Aspen-Hall Pass	6	16N	28E
15E2	I	Big Creek Summit	24	15N	5E
13E8a	I	Borah	21	10N	23E
16D6	I	Brundage Mountain	6	19N	3E
16D2	I	Chapman Creek	16	29N	2E
13E17A	I	Copes Camp	36	18N	22E
13E25a	I	Doublespring Pass	3	10N	22E
13D17a	I	Gertson Creek	22	22N	23E
13D2	M	Gibbons Pass	4	2S	19W
13D9	M	Gold Stone	11	8S	16W
13E20A	I	Hall Creek	1	16N	27E
16D3	I	Johns Creek	9	29N	2E
14E6a	I	Keystone	15	13N	18E
13E24ap	I	Leatherman Pass	20	9N	23E
13E1	M	Lemhi Pass	9	10S	15W
13E23	M	Lemhi Ridge	4	10S	15W
13E18MA	I	Meadow Lake	24	13N	26E
14E1MAP	I	Mill Creek Summit	8	13N	17E
13D16	I	Moose Creek	22 & 26	27N	21E
14E4	I	Morgan Creek	32	18N	19E
14E2	I	Redfish Lake	3	9N	13E
13E16A	I	Schwartz Lake	34	18N	22E
13E2	M	Trail Creek	15	10S	15W
14E3a	I	Twin Peaks	28	15N	17E
14F4AP	I	Vienna Mine	32	6N	14E
16D5	I	Whitebird Summit	17	29N	2E
14D4	I	Williams Creek Summit	34	21N	20E

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	3/29	173	80.5	76.0	--
Halverson Creek	4850	3/29	124	61.4	57.3	--
Smith Creek	4800	4/3	119	56.7	64.6	50.1
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	4/3	0	0.0	6.5	3.2
Benton Spring	4900	4/3	41	18.2	22.2	20.8
#Mosquito Ridge	5110	3/27	105	45.6	46.6	40.2*
#Mosquito Ridge (SP)	5110	3/27	--	44.5	41.0	--
Schweitzer Bowl	4500	3/30	69	31.8	38.8	--
Schweitzer Ridge	6100	3/30	118	53.1	55.5	--
SPOKANE RIVER						
Above Burke	4100	3/27	85	35.6	34.0	25.0*
Above Burke (SP)	4100	3/27	--	33.2	--	--
Above Roland	4350	3/30	114	52.8	45.1	34.8*
Below Roland	3770	3/30	47	21.8	21.4	17.0*
Copper Ridge	4800	3/30	78	38.6	31.5	31.1
#Forty-nine Meadows	5000	3/31	98	42.3	46.0	36.1
Fourth of July Summit	3100	3/30	14	5.4	10.9	11.2*
Granite Peak	6000	3/31	171	71.6	64.4	51.2*
Kellogg Peak	5560	3/30	107	50.2	46.3	33.5*
Lookout	5250	3/30	119	54.5	49.8	38.4
#Lost Lake	6000	3/31	224	98.6	--	66.2*
Lower Sands Creek	3400	3/30	68	27.9	24.6	21.0
Medicine Ridge	6150	3/31	160	67.0	55.1	--
Mosquito Ridge	5110	3/27	105	45.6	46.6	40.2*
Mosquito Ridge (SP)	5110	3/27	--	44.5	41.0	--
Outlaw Creek	3750	3/31	52	18.5	26.1	17.8*
Roland Summit	5200	3/30	142	67.1	53.8	41.2*
Sherwin	3200	3/30	55	21.7	14.7	16.6*
Sherwin (SP)	3200	3/30	--	24.0	17.2	--
Sunset	5600	3/27	124	53.8	48.2	35.6*
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	3/31	7	3.0	4.1	4.1*
East Twin	4050	3/31	14	6.8	6.8	12.5*
Howard Creek	3450	4/1	0	0.0	1.2	1.6*
Moscow Mountain	4400	3/31	60	26.5	21.0	18.4*
West Twin	4250	4/1	17	8.6	8.4	10.2*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
CLEARWATER RIVER						
Anderson Butte (A)	6800	4/3	123	54.1	--	--
Buck Meadows	5600	4/3	98	49.0	34.6	--
Cayuse Airstrip	3700	3/31	37	15.8	12.8	10.4
Coolwater Mountain	6200	4/2	124	54.0	41.5	30.6*
Coolwater Mountain (SP)	6200	4/1	--	48.0	35.3	--
Copper Butte (A)	6900	4/3	139	62.6	27.5	--
Cottonwood Butte	5140	3/29	61	22.0	14.2	--
Crater Meadows	6100	3/31	156	71.9	55.8	45.3*
Crooked Fork	3800	3/27	53	22.0	17.3	--
Disgrace Butte (A)	6600	4/3	93	41.8	27.4	--
Elk Butte	5550	3/31	131	55.5	48.4	41.5*
Elk Mountain (A)	7500	4/3	163	71.7	52.0	--
Falls Point (A)	4600	4/3	60	28.2	--	--
Fish Lake Airstrip	5000	4/2	135	62.0	54.8	40.9
Forest	4550	4/1	11	4.7	5.8	6.2*
Forty-nine Meadows	5000	3/31	98	42.3	46.0	36.1
Goat Lake	6600	3/31	155	71.5	57.2	49.1*
#Granite Peak	6000	3/31	171	71.6	64.4	51.2*
Hemlock Butte	5500	3/30	187	82.3	62.5	52.1*
Hemlock Butte (SP)	5500	3/30	--	87.6	--	--
Hemlock Butte (SP)	5500	4/1	--	90.6	68.0	--
#Hoodoo Basin Mont.	6000	3/28	176	80.8	67.8	--
#Hoodoo Basin (SP) Mont.	6000	4/1	--	80.7	68.3	--
#Hoodoo Creek Mont.	5900	3/28	175	78.3	64.2	50.6
Horse Creek #1	5500	4/3	75	35.2	--	--
Horse Creek #2	5100	4/3	78	35.1	--	--
Horse Creek #3	5100	4/3	60	28.2	--	--
Horse Creek #4	5400	4/3	86	38.7	--	--
Horse Creek Helispot	4100	4/3	63	26.0	--	--
Horse Point (A)	5700	4/3	84	39.4	--	--
Indian Hill (A)	6100	4/3	60	28.2	--	--
Kit Carson Pasture	5020	3/31	33	13.2	10.8	8.6
Lolo Pass	5230	3/27	111	52.3	35.9	33.8*
Lost Lake	6000	3/31	224	98.6	--	66.2*
Lower Snowhaven	5250	3/29	76	30.0	21.0	--
McCann	4300	4/1	0	0.0	5.8	6.2*
Meadow Creek Lookout (A)	7000	4/3	108	48.6	38.5	--
#Medicine Ridge	6150	3/31	160	67.0	55.1	--
Mill Site (SP)	6700	4/3	97	44.3	34.0	--
Mountain Meadows	6300	4/3	76	36.0	29.8	--
#Nez Perce Pass Mont.	6575	3/31	63	27.2	21.2	16.8
Orogrande Mountain	7800		Delayed		49.8	38.8*
Orogrande Mountain (R)	7800	3/31	--	48.1	47.9	--
Pierce Ranger Station	3170	3/30	44	18.8	11.8	10.3
Powell Ranger Station	4230	3/27	45	18.9	15.7	13.9*
Sable Hill (A)	6000	4/3	69	32.4	--	--
Savage Pass	6600	3/27	102	42.9	32.6	28.6

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average 6
Shanghai Summit	4600	3/30	100	45.8	31.6	29.5*
Sweeney	4435	4/1	14	5.5	6.0	6.5*
Upper Snowhaven	5600	3/29	75	29.1	20.5	--
SALMON RIVER						
Big Creek Summit	6600	3/30	110	46.9	49.0	36.6
Borah (A)	8250	4/3	24	8.7	7.8	--
#Boulder Creek	5500	3/29	61	26.4	37.4	23.6
Brundage Mountain	7560	3/30	133	56.4	64.5	--
Chapman Creek	4215	3/29	5	0.8	3.7	2.4*
#Deadwood Summit	7000	3/29	125	54.6	72.0	46.1*
Doublespring Pass (A)	8400	4/3	37	13.4	14.5	--
#Galena Summit	8795	3/28	85	31.6	35.2	23.9
#Gibbons Pass Mont.	7100	3/28	83	34.4	31.5	23.0
Johns Creek	3805	3/29	1	0.4	0.5	0.8*
Keystone (A)	7700	4/3	33	12.4	12.1	--
Leatherman Pass (A)	9800	4/3	73	30.4	31.1	--
#Lemhi Pass Mont.	7480	3/29	30	10.3	12.3	8.5
#Lemhi Ridge Mont.	8100	3/29	44	15.8	15.2	--
Mill Creek Summit	8870	3/31	74	30.8	32.4	23.0*
Moose Creek	6200	3/31	60	25.4	23.6	16.2
Morgan Creek	7580	3/29	46	17.6	19.5	14.7*
Redfish Lake	6600	3/28	35	12.9	16.2	--
#Rock Flat Summit	5200	3/30	54	20.9	26.5	18.2
#Secesh Summit	6600	3/31	97	44.2	52.6	--
#Squaw Flat (A)	6230		Delayed		42.1	--
#Squaw Meadow	5800	3/31	99	46.2	52.7	38.7*
Twin Peaks (A)	10300	4/3	94	39.1	35.6	--
Vienna Mine	8900	3/28	126	51.4	54.0	37.0
Whitebird Summit	4390	3/29	21	7.7	9.8	5.9*
Williams Creek Summit	7800	3/31	49	18.4	18.9	13.3
Lemhi River						
Above Gilmore	8200	3/27	42	14.3	14.1	10.5*
Aspen-Hall Pass	8110	3/27	44	13.1	12.7	--
Copes Camp	7500	3/28	36	10.6	10.7	8.4*
Gertson Creek (A)	8050	4/3	36	12.2	--	--
Hall Creek	7560	3/27	20	5.7	7.5	--
Meadow Lake	9100	3/27	68	24.5	27.2	20.4*
Schwartz Lake	8500	3/28	53	17.2	17.3	12.9*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	3/30	10.0	10.2	10.4
Lookout	5250	48	11.0	3/30	8.6	8.5	7.5
CLEARWATER RIVER							
Brown	3100	36	6.7	2/29	5.9[m]	5.7	5.8
Midway	2200	36	6.1	2/29	5.3[m]	5.1	5.1
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	3/31	4.2	6.1	4.4
Lemhi River							
Above Gilmore	8200	60	5.4	3/27	4.1	2.8	2.4
Meadow Lake	9100	48	4.4	3/27	2.4	2.4	1.9

m - March Measurement

MIDDLE SNAKE RIVER BASIN
NORTHSIDE

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
LITTLE LOST RIVER						
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600
BIG LOST RIVER						
13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2A	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700
BIG WOOD RIVER						
15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100
LITTLE WOOD RIVER						
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500
FISH CREEK						
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000
BOISE RIVER						
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710
CANYON CREEK						
15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550
PAYETTE RIVER						
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200
WEISER RIVER						
16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230
MANN CREEK						
16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	3/28	T	T	5.8	4.3*
Lost Garfield	6600	3/28	8	2.6	4.5	3.0*
Moonshine	7450	3/28	36	13.0	15.5	13.0*
Sawmill Canyon	6900	3/28	24	8.9	10.2	9.2*
Swauger Lake (A)	9050	4/3	27	9.7	17.1	--
Wet Creek Summit	7600	3/29	46	16.1	18.0	11.7*
BIG LOST RIVER						
Bear Canyon	7920	3/28	49	17.4	28.8	18.0*
Cherry Creek Pass (A)	8900	3/29	T	T	3.8	--
Copper Basin	7650	3/28	20	6.7	15.8	9.6
#Doublespring Pass (A)	8400	4/3	37	13.4	14.5	--
Dry Fork (A)	7340	3/29	44	15.6	26.0	--
Fishpole Lake (A)	9350	3/29	52	18.5	30.8	--
Grasshopper (A)	8400	3/29	35	12.4	21.6	--
Iron Bog	7650	3/30	29	11.2	22.7	14.0*
Leadbelt	6800	3/30	14	4.7	14.6	9.1*
#Leatherman Pass (A)	9800	4/3	73	30.4	31.1	--
Lost-Wood Divide (A)	7900	3/29	76	31.6	34.4	23.2*
Mammoth Canyon (A)	8300	3/29	11	3.6	8.1	--
North Fork Meadow (A)	8150	3/29	32	11.4	20.1	--
Sage Creek (A)	7800	4/3	37	13.4	11.7	--
Stickney Mill	7500	3/28	27	8.8	14.4	9.3
White Knob	7700	3/29	33	11.8	14.2	8.9*
FISH CREEK						
#Dry Fork (A)	7340	3/29	44	15.6	26.0	--
Iron Mine Creek	6370	3/29	18	6.1	16.1	9.4*
Telfer Ranch	6000	3/29	0	0.0	13.5	5.6*
LITTLE WOOD RIVER						
#Bear Canyon	7920	3/28	49	17.4	28.8	18.0*
Garfield Ranger Station	6554	3/29	14	5.2	17.2	9.3
Muldoon	6300	3/29	0	0.0	12.0	6.5
Porcupine (A)	8350	3/29	50	17.8	30.3	--
Swede Peak	7500	3/29	45	16.0	28.0	16.7*
BIG WOOD RIVER						
Camas Creeks Divide	5720	3/29	21	8.5	11.8	--
#Couch Summit	6950	3/29	45	17.8	30.7	17.9*
Dollarhide Summit	8620	3/30	91	35.2	38.1	26.5*
Galena	7300	3/28	60	23.4	28.0	19.3

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNDW CDURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECDRD Water Content (inches) Last Year	Average [b]
Galena Summit	8795	3/28	85	31.6	35.2	23.9
Graham Ranch	6200	3/27	34	12.5	20.0	13.1
#Lost-Wood Divide (A)	7900	3/29	76	31.6	34.4	23.2*
Mascot Mine	7900	3/31	36	13.4	18.6	14.5
Mount Baldy	9000	3/27	71	23.8	27.8	20.7
#Porcupine (A)	8350	3/29	50	17.8	30.3	--
Soldier Ranger Station	6100	3/29	15	5.8	17.9	9.2
#Vienna Mine	8900	3/28	126	51.4	54.0	37.0
CANYON CREEK						
Bennett Mountain	6650	3/29	64	27.5	24.0	17.2*
#Camas Creeks Divide	5720	3/29	21	8.5	11.8	--
#Danskin (A)	5650	4/4	37	15.1	18.6	--
Dixie Hill	5230	3/29	0	0.0	3.1	--
Little Camas Flat	4950	3/29	0	0.0	4.9	--
Long Tom (A)	4550	4/1	0	0.0	0.0	--
#Willow Creek Cabin (A)	4710	4/1	0	0.0	0.0	--
BOISE RIVER						
Atlanta Summit	7500	4/3	112	46.9	50.5	35.1*
Bad Bear	5500	3/30	54	23.9	18.5	13.5*
#Bennett Mountain	6650	3/29	64	27.5	24.0	17.2*
#Bogus Basin	6120	3/28	82	34.2	38.7	22.7
Bogus Basin Road	5360	3/28	0	0.0	6.3	2.0*
#Camas Creeks Divide	5720	3/29	21	8.5	11.8	--
Couch Summit	6950	3/29	45	17.8	30.7	17.9*
Danskin (A)	5650	4/4	37	15.1	18.6	--
Deadman Gulch	5600	3/28	57	23.2	22.9	15.1*
#Dixie Hill	5230	3/29	0	0.0	3.1	--
#Dollarhide Summit	8620	3/30	91	35.2	38.1	26.5*
Jackson Peak	7000	3/30	100	44.6	50.8	32.1*
#Little Camas Flat	4950	3/29	0	0.0	4.9	--
#Long Tom (A)	4550	4/1	0	0.0	0.0	--
Moores Creek Summit	6100	3/30	107	48.0	46.3	31.9
Prairie	4900	3/30	10	3.9	8.0	2.1
Road Creek	5550	4/3	29	13.1	16.5	9.2
#Soldier Ranger Station	6100	3/29	15	5.8	17.9	9.2
Trinity Mountain	7780	4/3	121	54.0	63.5	43.3
#Vienna Mine	8900	3/28	126	51.4	54.0	37.0
Willow Creek Cabin (A)	4710	4/1	0	0.0	0.0	--
PAYETTE RIVER						
#Big Creek Summit	6600	3/30	110	46.9	49.0	36.6
Bogus Basin	6120	3/28	82	34.2	38.7	22.7
#Brundage Mountain	7560	3/30	133	56.4	64.5	--
Cozy Cove	5900	3/27	39	16.2	28.4	15.6

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
Crawford Ranger Station	4800	3/30	0	0.0	14.4	6.7
#Deadman Gulch	5600	3/28	57	23.2	22.9	15.1*
Deadwood Airstrip	5440	3/27	36	15.1	25.4	14.0*
Deadwood Dam	5290	3/27	44	18.7	27.1	17.0
Deadwood Summit	7000	3/29	125	54.6	72.0	46.1*
Greenfield Flat (A)	7370		Delayed		64.7	--
High Valley Summit	5170	3/27	40	15.3	17.4	10.6*
#Jackson Peak	7000	3/30	100	44.6	50.8	32.1*
Lake Fork	6000	3/30	46	18.5	24.9	16.0
#Mica Ridge (A)	6800		Delayed		52.3	--
Rock Flat Summit	5200	3/30	54	20.9	26.5	18.2
Secesh Summit	6600	3/31	97	44.2	52.6	--
Silver Creek Ridge (A)	5700	4/4	37	15.4	26.8	--
#Squaw Flat (A)	6230		Delayed		42.1	--
Squaw Meadow	5800	3/31	99	46.2	52.7	38.7*
Tripod Summit	5200	3/27	56	23.1	31.0	17.6*
WEISER RIVER						
Boulder Creek	5500	3/29	61	26.4	37.4	23.6
Mica Ridge (A)	6800		Delayed		52.3	--
Placer Creek	6000	3/27	62	23.7	25.4	16.8
Squaw Flat (A)	6230		Delayed		42.1	--
MANN CREEK						
Mann Creek	5980	3/28	71	31.1	43.7	--
Robinson Creek Ridge	6220	3/28	50	21.4	34.3	--
Sturgill Ridge	6680	3/28	91	40.3	49.8	--
Thorson Cabin	5320	3/28	39	15.9	17.9	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	3/28	8.5	8.1	8.5
Wet Creek Summit	8175	48	17.1	3/29	13.5	13.0	12.4[m]
BIG WOOD RIVER							
Galena	7300	48	10.1	3/28	7.2	7.9	6.7
Galena Summit	8795	48	5.8	3/28	1.8	Frozen	1.8

m - March Measurement

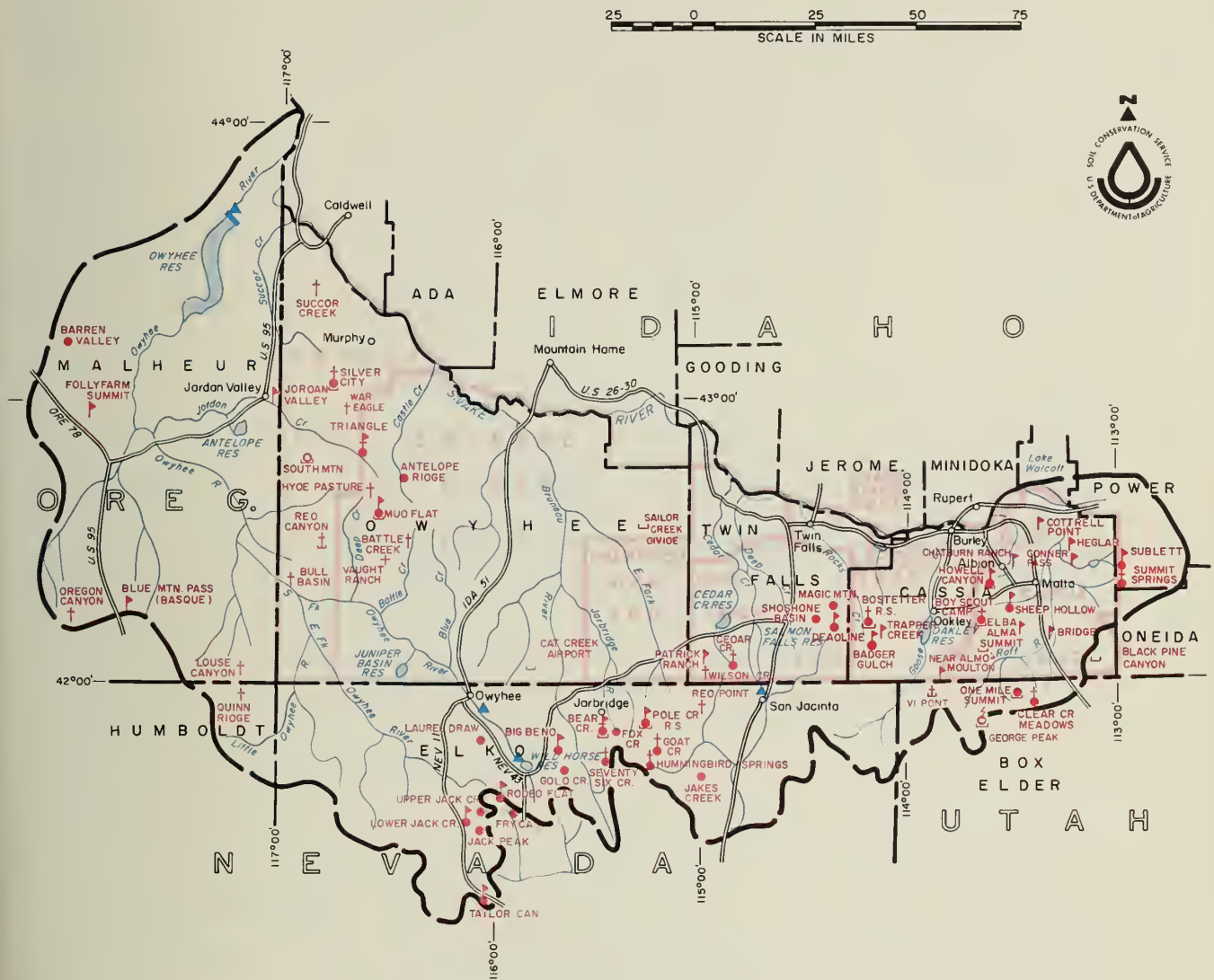
*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average 6
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Boy Scout Camp	7600	3/28	50	20.2	19.5	14.8*
Clear Creek Mdws. Utah	9050	3/28	66	26.0	26.2	21.0*
George Peak (SP)	9000	3/31	--	31.2	--	--
Howell Canyon	8000	3/28	109	46.8	35.0	24.1
One Mile Summit Utah	7330	3/28	24	8.2	9.8	7.8*
Sheep Hollow	6200	3/28	11	4.0	6.0	4.3*
Sublett	6000	3/28	39	17.1	13.9	9.8
Summit Springs	6400	3/28	33	13.5	13.2	8.3*
GOOSE CREEK						
Badger Gulch	6660	3/28	47	19.9	13.1	11.8
Bostetter Ranger Station	7500	3/28	78	32.8	24.9	18.4
Vi Pont	7670	3/28	50	23.0	18.5	--
SALMON FALLS CREEK						
#Bear Creek Nev.	7800	3/27	63	25.1	27.5	19.1
Cedar Creek	7000	3/27	38	14.6	12.1	10.5*
Deadline	6900	3/26	90	41.3	30.0	21.7*
#Fox Creek Nev.	6800	3/27	22	8.2	12.8	8.9*
Goat Creek Nev.	8800	3/27	58	21.7	27.2	18.3*
#Hummingbird Springs Nev.	8945	3/27	82	31.4	35.8	22.0*
Magic Mountain	6700	3/26	76	33.1	24.6	17.5
#Pole Creek R. S. Nev.	8330	3/27	67	25.9	27.8	19.7*
Red Point Nev.	7940	3/27	42	13.1	17.2	10.2*
Shoshone Basin	5740	3/26	Under Water		Under Water	2.5*
Wilson Creek	7500	3/27	43	16.0	14.7	11.8*
BRUNEAU RIVER						
Bear Creek Nev.	7800	3/27	63	25.1	27.5	19.1
Fox Creek Nev.	6800	3/27	22	8.2	12.8	8.9*
Hummingbird Springs Nev.	8945	3/27	82	31.4	35.8	22.0*
Pole Creek R. S. Nev.	8330	3/27	67	25.9	27.8	19.7*
#Seventy-six Creek Nev.	7100	3/27	38	16.4	13.2	10.9*
OWYHEE RIVER						
Antelope Ridge	5900	3/29	25	9.5	7.7	4.0*
Battle Creek (A)	5700	3/29	0	0.0	0.0	--
#Bear Creek Nev.	7800	3/27	63	25.1	27.5	19.1
Bull Basin (A)	5600	3/29	T	T	0.0	--
#Fox Creek Nev.	6800	3/27	22	8.2	12.8	8.9*
Hyde Pasture (A)	5800	3/29	10	3.8	2.0	--
Mud Flat	5500	3/29	9	3.0	4.8	4.2*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

MIDDLE SNAKE RIVER BASIN
SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13G15p	I	Black Pine Canyon	28	15S	29E	7100
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13G11m	I	Bridge	7	15S	27E	4750
13G13m	I	Chatburn Ranch	4	12S	25E	4700
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13G6m	I	Conner Pass	35	12S	25E	5700
13G7m	I	Cottrell Point	24	10S	25E	4490
13G10m	I	Elba-Almo Summit	29	14S	25E	5690
13H4sp	U	George Peak	4	13N	14W	9000
13G8m	I	Heglar	19	11S	28E	4590
13G1MP	I	Howell Canyon	2	13S	24E	8000
13G12m	I	Moulton	27	16S	23E	5950
13G14p	I	Near Almo	35	15S	24E	5200
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	5400

GOOSE - TRAPPER CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
14G7m	I	Trapper Creek	2	15S	20E	5300
13H3ap	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
14G5A	I	Cedar Creek	25	15S	13E	000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14H1	N	Jakes Creek	6	42N	62E	7000
14G2	I	Magic Mountain	14	14S	18E	6700
15G1m	I	Patrick Ranch	23	15S	12E	5720
15H18a	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2a	I	Wilson Creek	24	16S	12E	7500

BRUNEAU RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
15H1MAP	N	Bear Creek	31	46N	58E	7800
15G3p	I	Cat Creek Airport	9	16S	6E	5700
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8945
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330
15G4p	I	Sailor Creek Divide	21	10S	10E	4350

OWYHEE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	47S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
17G2m	O	Blue Mountain Pass (Basque)	4	38S	42E	5290
16G10a	I	Bull Basin	19	12S	5W	5600
18G3m	O	Folly Farm Summit	8	30S	38E	4450
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE¼ 31	8S	2W	5800
16H4	N	Jacka Peak	28	42N	53E	8420
17G3m	O	Jordan Valley	2	30S	46E	4390
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4MA	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Red Canyon (A)	6650	3/29	18	6.8	3.4	--
#Seventy-six Creek Nev.	7100	3/27	38	16.4	13.2	10.9*
Silver City	6400	3/31	54	26.0	20.2	14.4*
South Mountain	6340	3/30	43	19.0	15.4	10.9
Succor Creek (A)	6100	3/29	12	4.6	3.4	--
Triangle (A)	5150	3/29	0	0.0	0.0	--
Vaught Ranch (A)	5950	3/29	0	0.0	0.0	--
War Eagle (A)	7700	3/29	66	31.7	23.2	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Conner Pass	5700	36	9.8	3/29	9.4	9.2	9.2
Howell Canyon	8000	48	11.5	3/28	7.6	9.9	7.2
Sheep Hollow	6200	36	7.5	3/28	6.4	6.6	6.2
Sublett	6000	36	7.0	3/28	6.8	6.3	6.0
GOOSE CREEK							
Badger Gulch	6660	36	7.0	3/1	6.5[m]	7.0	6.4
SALMON FALLS CREEK							
Patrick Ranch	5720	36	7.7	3/7	7.0[m]	6.9	6.6
Pole Creek R. S.	8330	48	9.7	3/7	8.0[m]	9.0	4.6
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	3/7	11.0[m]	16.5	11.5
OWYHEE RIVER							
Mud Flat	5500	48	12.8	2/28	14.0[m]	14.4	14.4

m - March Measurement

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average 6
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Blue Ledge Mine	6700	3/30	38	14.2	26.4	15.1
Camp Creek	6800	3/29	29	9.9	17.0	9.0
Kilgore	6200	3/30	23	8.9	18.2	8.9
MEDICINE LODGE CREEK						
Irving Creek	7035	3/30	18	5.3	9.1	4.2*
Webber Creek	6700	3/30	22	7.0	9.2	4.5*
HENRYS FORK RIVER						
Big Springs	6500	3/30	62	27.1	30.8	20.8
Black Canyon	7850	3/24	105	37.6	46.8	34.6*
Black Moose	8125	3/24	112	44.6	54.0	40.4*
Grassy Lake Wyo.	7230	3/30	108	45.9	51.0	34.3
Island Park	6315	3/30	45	16.3	25.2	15.6
Latham Springs	7650	3/24	99	36.0	46.6	33.5*
Lucky Dog	6900	3/24	73	29.6	36.2	24.8*
Old Road	7250	3/24	80	31.2	41.0	27.3*
Poacher's Cabin	8000	3/24	103	38.6	45.4	33.6*
Sawtelle Mountain	8715	3/30	106	40.3	48.6	--
Targhee Pass	7000	3/30	50	16.5	23.1	14.3*
Valley View	6500	3/30	46	17.6	26.1	15.9
TETON RIVER						
Freds Mountain Wyo.	8000	3/31	77	31.3	39.2	--
Pine Creek Pass	6750	3/31	50	21.9	22.7	17.3*
State Line	6400	3/31	42	18.2	18.1	14.7
WILLOW CREEK						
Aspen Grove	6600	3/30	38	16.7	15.5	--
Birch Creek	6800	3/30	40	18.4	15.6	--
Bone	6200	3/29	15	5.3	10.6	--
Ozone	5800	3/29	0	0.0	0.0	--
Sheep Mountain	6510	3/29	39	15.9	19.6	--
Tex Creek	6700	3/31	30	11.5	12.4	--
SAND CREEK						
Henry Creek	5650	3/29	0	0.0	0.0	--
Taylor Mountain	6500	3/29	40	16.0	11.6	--

*(b) 1953-67, 15 year perial. #Not located directly an this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water cantent estimated. (SP) Pressure Pillaw snaw-water equivalent. (R) Radiaactive Gage snaw-water equivalent.*

UPPER SNAKE RIVER BASIN

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aeriol Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

WATERSHED LOCATIONS

INDEX to SNOW COURSES

UPPER SNAKE RIVER BASIN

SNAKE RIVER - WYOMING

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530

HENRYS FORK RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11E9	I	Big Springa	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E15	I	Old Road	12	13N	44E	7250
11E17	I	Poacher's Cabin	11	13N	45E	8000
11E32	I	Sawtelle Mountain	7	14N	43E	8715
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500

TETON RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
10F21a	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8000
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6400
10F13M	Wy	Teton Pass	24	41N	118W	8500

CAMAS - BEAVER CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200

MEDICINE LODGE CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700

WILLOW CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F8	I	Bone	29	1S	40E	6200
11F4	I	Ozone	14	1N	39E	5800
11F9	I	Sheep Mountain I	33	2S	41E	6450
11F11	I	Sheep Mountain II	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700

SAND CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11F6	I	Henry Creek	7	1S	39E	5650
11F7	I	Taylor Mountain	19	1S	39E	6500

BLACKFOOT RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G2M	I	China Hat	17	7S	42E	6300
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000

PORTNEUF RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11G25	I	Cove	21	9S	39E	5525
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
11G24	I	Moser	20	8S	39E	5950
11G23	I	North Bancroft #1	15	8S	39E	5460
11G22	I	North Bancroft #2	27	7S	39E	5430
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]
BLACKFOOT RIVER						
Austin Brothers Ranch	6450	3/31	21	8.0	12.8	8.0*
China Hat	6300	3/31	18	6.7	9.3	5.1
Slug Creek Divide	7225	3/29	51	21.8	24.7	15.4
Somsen Ranch	7000	3/31	46	18.7	20.9	11.6*
PORTNEUF RIVER						
Cove	5525	3/28	0	0.0	5.8	--
Dempsey Creek	6280	3/27	43	17.0	17.7	10.8*
Lower Pebble	5800	3/28	49	20.5	17.2	--
Mink Creek	6300	3/27	50	21.5	22.5	14.0
Moser	5950	3/28	15	5.5	10.0	--
North Bancroft #1	5460	3/28	0	0.0	0.0	--
North Bancroft #2	5430	3/28	0	0.0	0.0	--
Pebble Creek	6550	3/28	47	20.6	20.6	13.4

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	3/30	9.1	8.4	7.8
Valley View	6500	48	13.3	3/30	9.6	7.2	12.6
TETON RIVER							
Pine Creek Pass	6750	48	13.3	3/31	14.5	12.2	12.1
State Line	6400	48	14.8	3/31	14.9	14.3	12.5
Teton Pass	8500	48	10.5	3/31	8.7	10.4	7.1
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	2/29	7.6[m]	8.5	5.2
Pebble Creek	6550	48	7.2	3/2	5.6[m]	6.5	4.7

m - March Measurement

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

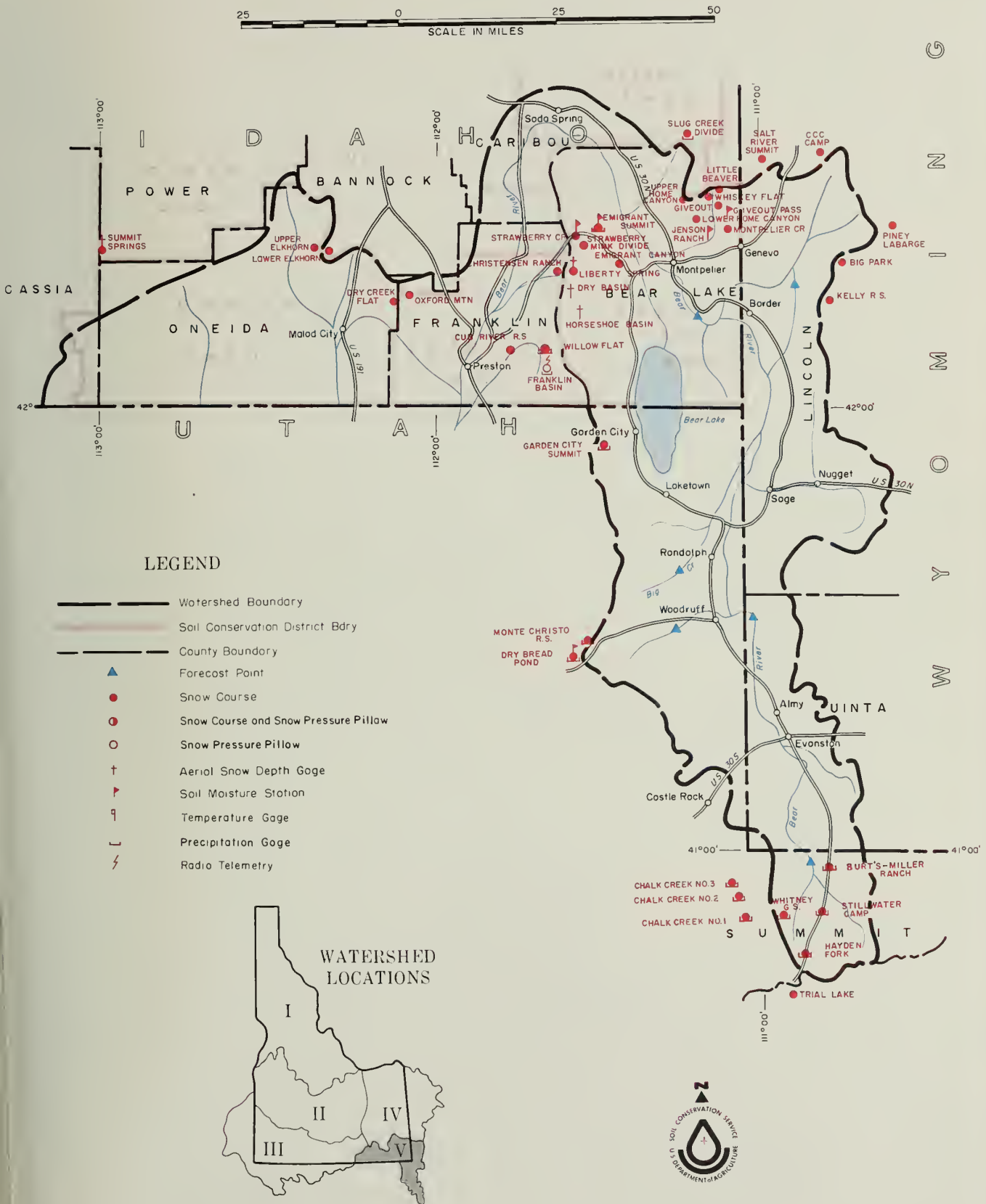
DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	3/30	74	33.1	38.2	22.9
Emigration Canyon	6500	3/30	27	11.6	17.2	9.6
Montpelier Creek						
Giveout	6840	3/28	46	19.0	18.6	12.6*
Little Beaver	6970	3/28	61	27.5	22.7	15.6*
Lower Home Canyon	7500	3/27	47	19.9	22.6	--
Montpelier Creek	6570	3/28	28	12.1	11.8	8.0*
Upper Home Canyon	8500	3/27	76	33.0	40.6	--
Whiskey Flat	6985	3/28	33	14.1	14.9	8.9*
Mink Creek						
Christensen Ranch	5600	3/29	3	0.9	10.0	7.2*
Dry Basin (A)	7900	4/4	68	30.4	50.4	--
#Emigrant Summit	7350	3/30	74	33.1	38.2	22.9
Horseshoe Basin (A)	8000	4/4	61	27.3	46.7	--
Liberty Spring	8600	3/29	115	47.0	61.5	36.2*
Strawberry Creek	5800	3/29	22	7.3	12.8	10.1*
Strawberry Mink Divide	6800	3/29	57	24.7	32.0	20.1*
Cub River						
Cub River R. S.	5400	3/29	0	0.0	7.6	6.4*
#Franklin Basin	8000	3/27	80	35.4	44.5	26.8
Willow Flat	6100	3/29	28	11.5	19.1	13.4*
MALAD RIVER						
Cliff Canyon	7200	3/29	36	14.7	14.9	--
Daniels Creek	6400	3/29	8	2.5	6.9	--
Dry Creek Flat	6350	3/28	0	0.0	9.8	3.7*
Lower Elkhorn	6850	3/28	33	14.3	17.4	--
Oxford Mountain	6800	3/28	17	6.5	12.2	7.7*
Upper Elkhorn	7100	3/28	68	26.0	24.2	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	3/30	7.4	6.8	6.4
Strawberry Creek	5800	48	12.7	3/30	12.2	12.6	8.2
Montpelier Creek							
Jenson Ranch	6580	48	18.7	3/28	11.5	8.3	10.8

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

GREAT BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aeriol Snow Depth Gage
- Soil Moisture Stotion
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

SOIL CONSERVATION SERVICE
U.S. DEPARTMENT of AGRICULTURE

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.

GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

MONTPELIER CREEK

11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G4	I	Dry Creek Flat	31	13S	37E	6350
12G11	I	Lower Elkhorn	30	12S	36E	6850
12G3	I	Oxford Mountain	32	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

- Department of Lands, Forests, and Water Resources, British Columbia
- Department of Resources and Development, Water Resources Division

States:

- Idaho State Department of Water Administration
- State of Idaho Department of Fish and Game
- University of Idaho
- Idaho State University
- Montana Agricultural Experiment Station
- Montana State Water Conservation Board
- Nevada Cooperative Snow Surveys
- Oregon Agricultural Experiment Station
- Oregon Cooperative Snow Surveys
- Oregon State Engineer and Corps of State Watermasters
- Utah Cooperative Snow Surveys
- Wyoming Cooperative Snow Surveys

Federal:

- U. S. Army Engineers
- U. S. Department of Agriculture
  - Forest Service
  - Agricultural Research Service
- U. S. Department of Commerce
  - Environmental Sciences Service Administration, Weather Bureau
- U. S. Department of the Interior
  - Bonneville Power Administration
  - Bureau of Reclamation
  - Fish and Wildlife Service
  - Water Resources Division, Geological Survey
  - Indian Service
  - National Park Service
  - Bureau of Land Management

PUBLIC UTILITIES

- The Montana Power Company
- Washington Water Power Company
- Idaho Power Company
- Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

- Big Lost River Irrigation District
- Boise Project Board of Control
- Little Wood River Irrigation District
- Jordan Valley Irrigation District
- Salmon Falls Creek Irrigation Company
- Twin Falls Soil Conservation District
- Twin Lakes Irrigation Company
- Big Wood Irrigation Company
- Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

- Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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AT URBANA-CHAMPAIGN

WATER SUPPLY OUTLOOK FOR IDAHO

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAY 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA-SCS-PORTLAND OREG 1970

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

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STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Acting Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY - MAY 1, 1972

The 1971-72 winter has been another heavy snow accumulation season. By February 1, 1972 new record snow-water equivalent readings were established for many key snow courses throughout Idaho. The snowpack was above normal at all elevations but particularly so at low elevations. Some minor flooding occurred on a few low elevation watersheds during January and February when warm temperatures melted the snowpack. Snowfall during February, March and April was normal or slightly below normal; however, the snow accumulation up to May 1 remains well above average except for a few low elevation drainages. New record snowpack still remains on several key snow courses in the state, particularly on the Spokane and Clearwater Rivers in north Idaho and the southern tributaries of the Snake River in southern Idaho and northern Nevada.

Water supply is forecast to be good to excellent throughout the state. Prospective streamflow is forecast for a low of 95% of normal on the Little Wood River to a high of 192% of average for Oakley Reservoir Inflow. Near record seasonal flow is predicted for the Spokane River at Post Falls and the Clearwater River at Spalding.

Carryover storage from the 1970-71 season was excellent and many reservoirs had to be drawn down in anticipation of high volume flows indicated by the record snowpack. It is predicted that all reservoirs will fill

during the spring melt. If irrigation demand is not too great, due to below normal valley precipitation in April and early May, it is possible that Oakley and Salmon Falls reservoirs will fill for the first time on record.

Soil moisture remains good to excellent in general, though some surface depletion has been noted in farming areas.

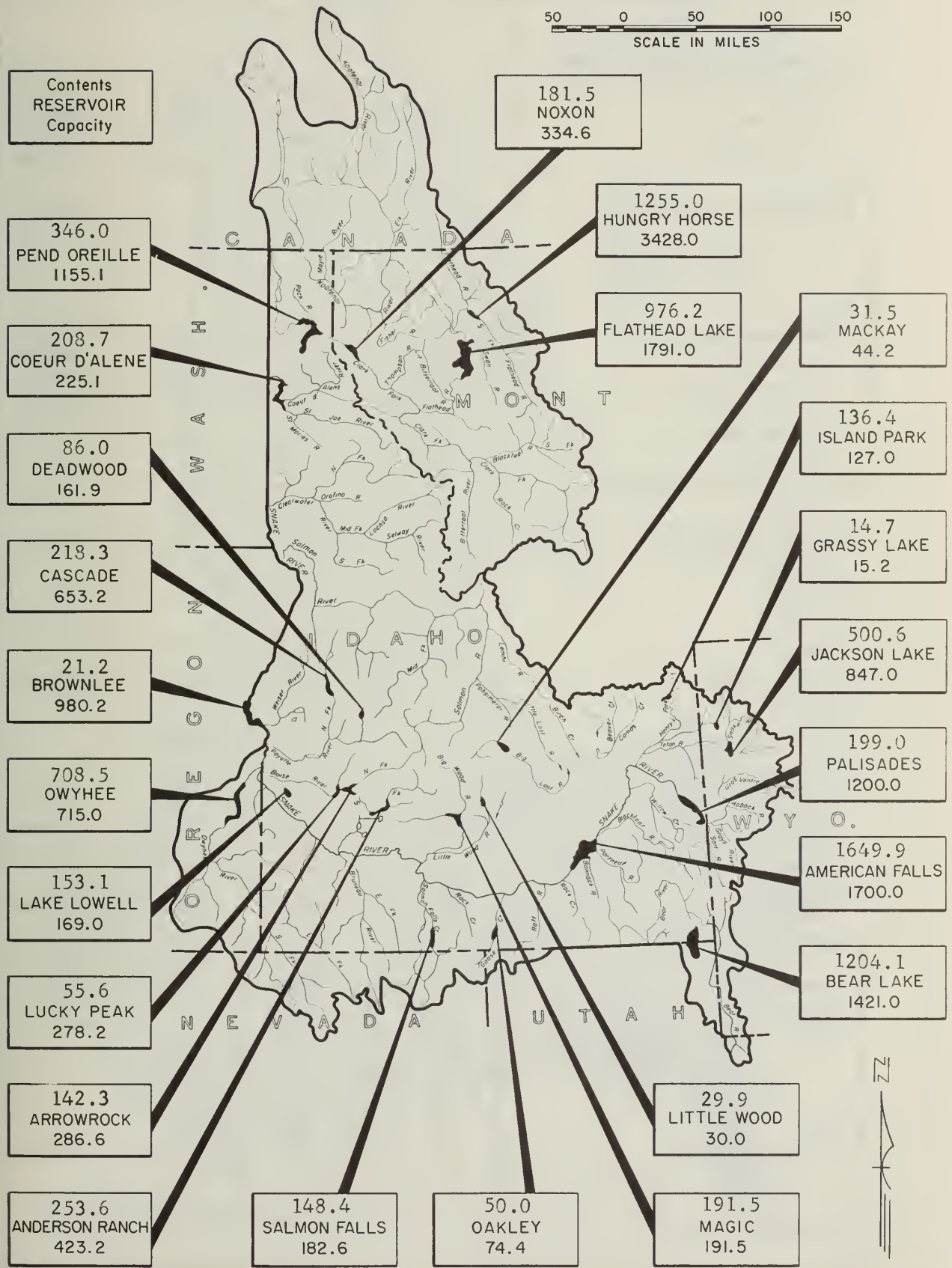
Valley precipitation during April ranged from well below normal in the Snake River Plain division to slightly above average in the Pend Oreille-Spokane and Clearwater divisions. For the period November 1971 through April 1972 valley precipitation is above to well above average in all divisions.

As a result of near record runoff during March and early April, caused by depletion of low elevation snow cover, the potential for flooding has been greatly diminished. The Clearwater River and St. Joe River drainages, however, still have such a potential in the record snowpack existing on the divide between them. Possibility for flooding in these watersheds would be greatly increased by excessive warm temperatures and warm rain during May and early June.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1972



RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1255.0	1647.0	1974.0*
Flathead	1791.0	976.2	1083.0	933.7
Pend Oreille	1155.1	346.0	478.1	493.8
Noxon	334.6	181.5	148.5	144.9*
Spokane				
Coeur d'Alene	225.1	208.7	281.3	286.6
SNAKE BASIN				
Snake				
Jackson Lake	847.0	500.6	500.8	438.8
Palisades	1200.0	199.0	120.9	803.4*
American Falls	1700.0	1649.9	1698.9	1664.3
Island Park	127.0	136.4	134.9	133.1
Grassy Lake	15.2	14.7	12.7	11.5
Brownlee	980.2	21.2	52.9	515.2*
Goose-Trapper Creeks				
Oakley	74.4	50.0	50.5	24.3
Salmon Falls Creek				
Salmon Falls	182.6	148.4	93.9	46.9
Big Lost				
Mackay	44.2	31.5	26.1	33.5
Big Wood				
Magic	191.5	191.5	189.2	167.7
Little Wood				
Little Wood	30.0	29.9	21.7	21.5*
Fish Creek				
Carey Valley	14.4	13.9	14.1	--
Boise				
Anderson Ranch	423.2	253.6	212.2	284.4
Arrowrock	286.6	142.3	241.1	230.7
Lucky Peak	278.2	55.6	32.7	147.3*
Lake Lowell (Deer Flat)	169.0	153.1	157.8	156.3
Owyhee				
Owyhee	715.0	708.5	699.0	531.9
Payette				
Cascade	653.2	218.3	247.4	327.8
Deadwood	161.9	86.0	79.5	89.1
Weiser				
Mann Creek	11.1	10.5	11.3	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1204.1	1202.0	951.9

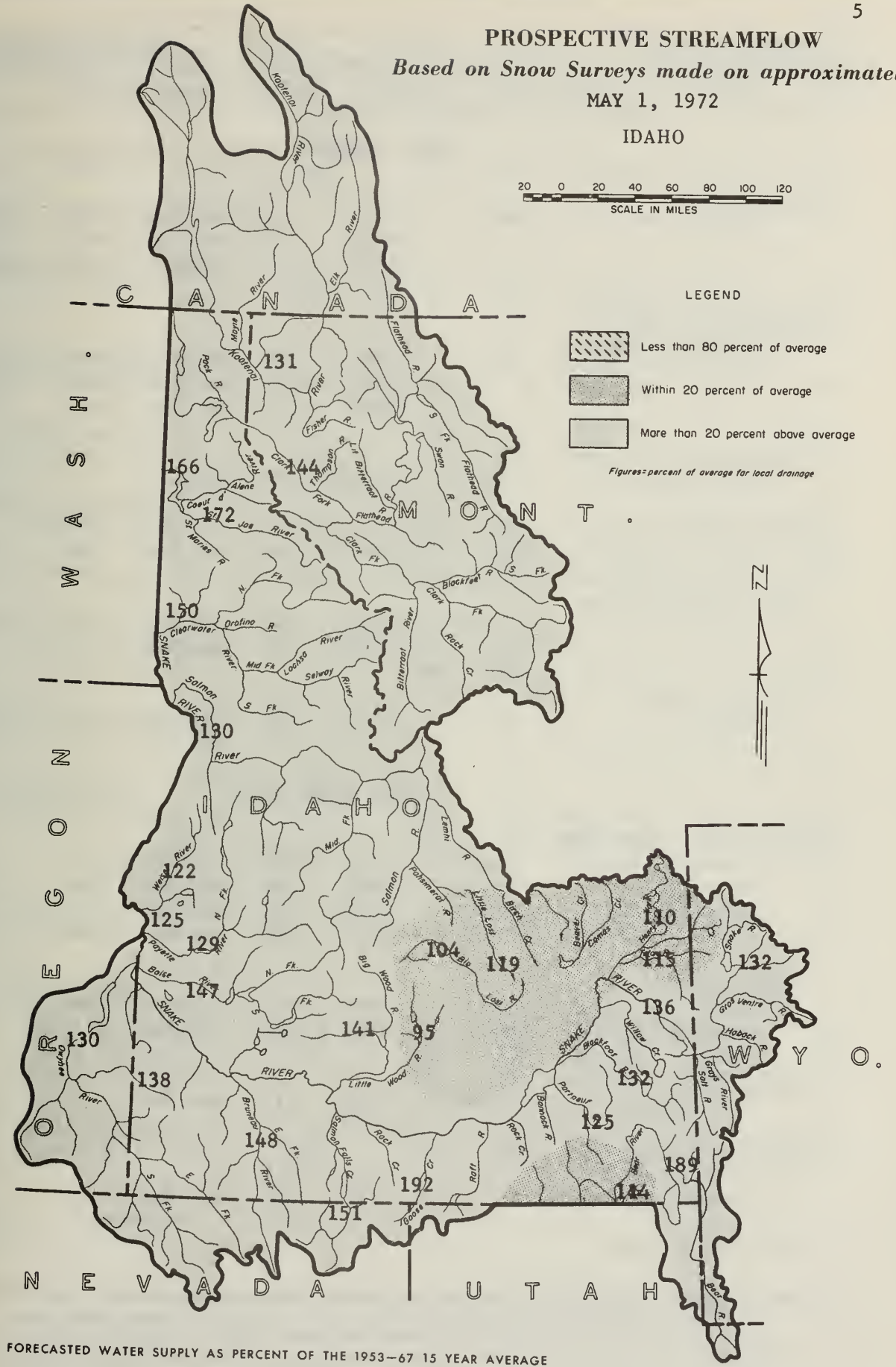
*Period of Record.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MAY 1, 1972

IDAHO



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953—67 15 YEAR AVERAGE

U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	11000	131	May-Sep	9662	8397
		9650	133	May-Jul	8402	7271
		7500	132	May-Jun	6594	5662
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	17800	144	May-Sep	15006	12313
		15900	143	May-Jul	13766	11112
		13200	142	May-Jun	11628	9278
Priest River						
Priest River 1/	(nr)	715	99	May-Jul	--	721
SPOKANE RIVER						
Post Falls 2/	(at)	3500	166	May-Sep	2862	2110
Coeur d'Alene River						
Cataldo	(nr)	1220	149	May-Sep	--	820
		1140	150	May-Jul	--	762
St. Joe River						
Calder	(at)	1790	172	May-Sep	--	1040
		1685	173	May-Jul	--	974
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	1060	132	May-Sep	--	800
Heise 4/	(nr)	4650	136	May-Sep	5766	3410
Blackfoot 5/	(nr)	4750	135	May-Jul	--	3521
Weiser	(at)	6250	125	May-Sep	8300	5002
Henrys Fork						
Ashton 6/	(nr)	565	110	May-Sep	--	513
Rexburg 7/	(nr)	1220	111	May-Sep	--	1100
Teton River						
St. Anthony	(nr)	405	115	May-Sep	--	353
Blackfoot River						
Blackfoot Reservoir Inflow		135	132	Apr-Sep	--	102*

*1948-1962 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

† 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Portneuf River						
Topaz	(at)	70	125	May-Sep	--	56.2
Oakley Reservoir Inflow		30	192	May-Sep	--	15.6
Salmon Falls Creek						
San Jacinto	(nr)	70	151	May-Sep	--	46.3
		65	151	May-Jul	--	43.0
Bruneau River						
Hot Springs	(nr)	210	148	May-Sep	--	142
Little Lost River						
Howe	(nr)	36	119	May-Sep	--	30.6
Big Lost River						
Howell Ranch	(at)	200	107	May-Sep	--	186
		140	109	May-Jun	--	128
Mackay 1/	(nr)	165	104	May-Sep	--	159
Big Wood River						
Magic Reservoir		260	141	May-Sep	--	184
Inflow 2/		230	143	May-Jul	--	161
Little Wood River						
High Five Creek	(ab)	60	95	May-Sep	--	63
Boise River						
Twin Springs	(nr)	875	147	May-Sep	--	594
		800	148	May-Jul	--	542
Boise 3/	(nr)	1800	147	May-Sep	2087	1230
South Fork						
Anderson Dam 4/	(at)	675	144	May-Sep	--	468
Owyhee River						
Gold Cr., Nev. 5/	(nr)	15	188	May-Jul	18	8
Owyhee, Nev. 5/	(nr)	50	132	May-Jul	128	38
Lake Owyhee		232	130	May-Sep	277	179
net inflow 6/		210	131	May-Jul	251	160
Jordan Creek						
Lone Tree Creek	(ab)	66	138	May-Jul	--	48.3*

*1955-1967 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow. + 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	1950	129	May-Sep	2485	1510
Banks 2/	(nr)	1090	134	May-Jul	--	816
North Fork						
Cascade 3/	(at)	590	129	May-Sep	--	458
Banks 3/	(nr)	740	129	May-Sep	--	574
Weiser River						
Weiser ab. Crane Creek 4/		325	122	May-Sep	--	267
Salmon River						
Whitebird	(at)	8050	130	May-Sep	9682	6190
Challis	(nr)	1070	130	May-Sep	--	824
		930	131	May-Jul	--	710
Clearwater River						
Spalding	(at)	10250	150	May-Sep	9067	6824
GREAT BASIN						
BEAR RIVER						
Harer	(at)	340	189	May-Sep	--	180
Montpelier Creek						
Montpelier	(nr)	20.5	236	May-Sep	--	8.7
Cub River						
Preston	(nr)	50.0	114	May-Sep	--	43.7*

*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1953-1967 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Spring April 1972		Fall - Winter Nov. 71 - Apr. 72	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	2.32	+0.76	21.22	+5.54
Flathead	1.10	-0.63	15.06	+3.25
Clark Fork	0.87	-0.21	7.67	+2.12
Pend Oreille-Spokane	2.51	+0.18	24.43	+3.85
Upper Snake	1.78	-0.01	14.34	+2.52
Snake River Plain	0.51	-0.48	6.68	+1.38
Salmon-Payette-Boise	1.27	-0.44	14.64	+1.80
Clearwater	3.10	+0.28	22.29	+5.86
Owyhee-Malheur	0.50	-0.37	6.50	+0.45

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1953-67) drainage division average.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	5/3	175	96.1	76.5	--
Halverson Creek	4850	5/3	117	64.8	56.4	--
Smith Creek	4800	5/2	118	59.8	54.9	49.4
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	4/30	0	0.0	0.0	0.0
Benton Spring	4900	4/30	40	19.2	16.7	17.1
#Mosquito Ridge (SP)	5110	4/30	--	47.0	--	--
Schweitzer Bowl	4500	4/28	66	32.7	34.0	--
Schweitzer Ridge	6100	4/28	125	57.8	58.5	--
SPOKANE RIVER						
Above Burke	4100	4/29	68	32.1	24.8	--
Above Burke (SP)	4100	4/29	--	29.4	--	--
Copper Ridge	4800	4/27	77	40.3	26.2	27.8
#Forty-nine Meadows	5000	4/28	96	43.5	45.8	30.6*
Fourth of July Summit	3100	5/1	0	0.0	0.0	--
Granite Peak	6000	4/28	190	89.3	63.8	--
Lookout	5250	5/1	107	54.0	44.5	36.7
Lookout (SP)	5250	5/1	--	53.6	--	--
#Lost Lake	6000	4/28	224	105.3	82.0	62.7*
Lower Sands Creek	3400	4/27	61	28.0	20.6	14.6
Medicine Ridge	6150	4/28	155	77.5	63.0	--
Mosquito Ridge (SP)	5110	4/30	--	47.0	--	--
Outlaw Creek	3750	4/28	0	0.0	0.0	8.0*
Sherwin	3200	4/28	40	18.4	8.2	--
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	4/27	0	0.0	0.0	0.0*
East Twin	4050	4/27	0	0.0	0.0	2.1*
Howard Creek	3450	4/27	0	0.0	0.0	0.0*
Moscow Mountain	4400	4/27	45	20.1	18.6	11.6*
West Twin	4250	4/27	0	0.0	0.0	0.0*
CLEARWATER RIVER						
Anderson Butte (A)	6800	5/2	128	61.4	33.2	--
Anderson Ridge (A)	5400	5/2	59	27.7	14.0	--
Buck Meadows	5600	5/2	103	54.2	36.6	--
Cayuse Airstrip	3700	4/28	0	0.0	0.0	0.9*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Coolwater Mountain	6200	4/27	134	61.3	44.8	30.6*
Coolwater Mountain (SP)	6200	5/1	--	51.2	40.1	--
Crater Meadows	6100	4/28	160	76.0	58.4	47.2*
Crooked Fork	3800	4/26	28	13.7	--	--
Disgrace Butte (A)	6600	5/2	93	43.7	33.2	--
Elk Butte	5550	4/28	115	51.7	47.2	35.8*
Elk Mountain (A)	7500	5/2	155	74.4	50.5	--
Falls Point (A)	4600	5/2	56	24.6	13.0	--
Fish Lake Airstrip	5000	4/27	148	70.0	54.0	42.2*
Forty-nine Meadows	5000	4/28	96	43.5	45.8	30.6*
Goat Lake	6600	4/28	154	73.0	--	--
#Granite Peak	6000	4/28	190	89.3	63.8	--
Hemlock Butte	5500	4/27	185	78.0	65.0	53.9*
Hemlock Butte (SP)	5500	5/1	--	98.1	74.6	--
#Hoodoo Basin Mont.	6000	4/28	173	88.0	68.8	55.8
#Hoodoo Basin (SP) Mont.	6000	5/1	--	84.3	69.9	--
#Hoodoo Creek Mont.	5900	4/28	168	85.9	66.1	52.0*
Horse Creek #2 (A)	5100	5/2	87	39.2	24.8	--
Horse Creek #3 (A)	5100	5/2	69	31.7	15.2	--
Horse Creek #4 (A)	5400	5/2	93	41.8	24.8	--
Horse Creek Helispot	4100	5/2	61	26.0	--	--
Horse Point (A)	5700	5/2	75	36.8	25.5	--
Indian Hill (A)	6100	5/2	57	27.9	14.0	--
Lolo Pass	5230	4/26	106	51.9	39.9	32.7*
Lost Lake	6000	4/28	224	105.3	82.0	62.7*
Meadow Creek Lookout (A)	7000	5/2	107	51.4	35.3	--
#Medicine Ridge	6150	4/28	165	77.5	63.0	--
Mill Site	6700	5/2	107	51.0	40.3	--
Mountain Meadows	6300	5/2	81	39.8	33.0	--
#Nez Perce Pass Mont.	6575	5/2	60	28.0	21.3	13.9
Orogrande Mountain	7800	4/27	157	61.0	51.8	48.0*
Orogrande Mountain (R)	7800	5/2	--	57.9	50.8	--
Pierce Ranger Station	3170	5/1	12	6.3	0.2	1.9*
Powell Ranger Station	4230	4/26	14	6.6	0.0	--
Sable Hill (A)	6000	5/2	83	40.7	21.1	--
Savage Pass	6600	4/26	105	44.1	36.2	--
Shanghai Summit	4600	4/28	88	42.0	27.8	24.0*
SALMON RIVER						
Big Creek Summit	6600	4/27	114	50.8	49.0	36.1
#Boulder Creek	5500	4/28	42	21.4	28.0	15.9*
Brundage Mountain	7560	4/27	141	61.9	67.5	--
#Deadwood Summit	7000	4/26	128	58.8	67.7	46.3*
#Galena Summit	8795	4/30	83	33.8	38.0	24.5
#Gibbons Pass Mont.	7100	5/1	79	36.6	33.7	23.1
Mill Creek Summit	8870	4/29	78	32.2	34.1	--
Moose Creek	6200	5/1	50	24.0	18.4	12.3*
Morgan Creek	7580	4/28	36	15.9	20.3	14.2*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
#Rock Flat Summit	5200	4/28	50	22.2	23.6	15.7*
#Secesh Summit	6600	4/25	101	47.3	--	--
#Squaw Meadow	5800	4/25	101	47.8	--	36.0*
Vienna Mine	8900	5/2	123	54.7	--	38.5*
Lemhi River						
Above Gilmore	8200	4/27	36	13.3	14.9	--
Meadow Lake	9100	4/27	66	27.0	29.7	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	5/1	10.0	10.2	10.4
Lookout	5250	48	11.0	5/1	8.5	9.2	7.7
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	4/29	3.8	5.5	4.4
Lemhi River							
Above Gilmore	8200	60	5.4	4/27	4.2	2.9	2.4
Meadow Lake	9100	48	4.4	4/27	2.5	2.4	2.0

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
BIG LOST RIVER						
Bear Canyon	7920	5/2	43	16.4	--	--
Copper Basin	7650	5/2	11	4.8	--	--
Lost-Wood Divide	7900	5/2	68	28.8	--	--
Stickney Mill	7500	5/2	10	3.3	--	--
LITTLE WOOD RIVER						
#Bear Canyon	7920	5/2	43	16.4	--	--
Swede Peak	7500	4/27	35	14.6	20.8	14.6*
BIG WOOD RIVER						
#Couch Summit	6950	4/28	33	15.9	28.5	11.4*
Dollarhide Summit (A)	8620	5/2	86	35.0	--	--
Galena	7300	4/30	44	20.6	24.2	14.6
Galena Summit	8795	4/30	83	33.8	38.0	24.5
Graham Ranch	6200	4/26	18	7.2	9.5	--
#Lost-Wood Divide	7900	5/2	68	28.8	--	--
Mascot Mine	7900	4/26	31	13.3	--	--
Mount Baldy	9000	4/26	71	26.6	29.2	21.8
#Vienna Mine	8900	5/2	123	54.7	--	38.5*
BOISE RIVER						
Atlanta Summit	7500	4/27	115	49.9	49.7	35.4*
Bad Bear	5500	4/26	37	17.3	7.3	4.1*
#Bogus Basin	6120	4/26	78	36.2	33.7	22.0
Couch Summit	6950	4/28	33	15.9	28.5	11.4*
Deadman Gulch	5600	4/24	45	20.4	--	9.2*
#Dollarhide Summit (A)	8620	5/2	86	35.0	--	--
Moores Creek Summit	6100	4/26	104	49.0	44.4	29.7
Trinity Mountain	7780	4/28	126	61.4	61.2	42.9*
#Vienna Mine	8900	5/2	123	54.7	--	38.5*
PAYETTE RIVER						
#Big Creek Summit	6600	4/27	114	50.8	49.0	36.1
Bogus Basin	6120	4/26	78	36.2	33.7	22.0
#Brundage Mountain	7560	4/27	141	61.9	67.5	--
Cozy Cove	5900	4/27	25	12.9	21.7	8.6
Crawford Ranger Station	4800	4/27	0	0.0	0.0	0.0*
#Deadman Gulch	5600	4/24	45	20.4	--	9.2*
Deadwood Airstrip	5440	4/27	21	10.1	17.5	6.4*
Deadwood Dam	5290	4/27	28	13.8	19.0	11.2
Deadwood Summit	7000	4/26	128	58.8	67.7	46.3*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
High Valley Summit	5170	4/24	24	10.8	--	--
Lake Fork	6000	4/27	40	18.2	--	--
Rock Flat Summit	5200	4/28	50	22.2	23.6	15.7*
Secesh Summit	6600	4/25	101	47.3	--	--
Squaw Meadow	5800	4/25	101	47.8	--	36.0*
Tripod Summit	5200	4/24	38	17.7	--	--
WEISER RIVER						
Boulder Creek	5500	4/28	42	21.4	28.0	15.9*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	3/28	8.5[a]	8.1[a]	8.5[a]
Wet Creek Summit	8175	48	17.1	3/29	13.5[a]	15.0	13.2
BIG WOOD RIVER							
Galena	7300	48	10.1	4/30	8.8	8.6	6.5
Galena Summit	8795	48	5.8	4/30	1.8	Frozen	1.8
BOISE RIVER							
Bogus Basin Road	4830	48	7.1	4/26	5.7	5.6	5.7

a April Measurement

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Howell Canyon	8000	5/1	87	43.6	37.5	--
GOOSE CREEK						
Badger Gulch	6660	4/28	30	15.3	11.4	--
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	4/30	60	24.0	23.8	19.4*
Cedar Creek (A)	7000	4/30	T	T	9.1	2.1*
Deadline	6900	4/26	68	35.6	30.0	18.1*
Goat Creek (A) Nev.	8800	4/30	52	26.5	29.7	18.2*
#Hummingbird Spgs.(A) Nev.	8945	4/30	106	42.4	38.0	22.8*
Magic Mountain	6700	4/26	59	30.1	24.0	14.5*
#Pole Creek R. S. Nev.	8330	4/26	71	28.4	31.9	21.6*
Red Point (A) Nev.	7940	4/30	21	8.4	15.0	9.0*
Wilson Creek (A)	7500	4/30	13	5.2	10.8	--
BRUNEAU RIVER						
Bear Creek (A) Nev.	7800	4/30	60	24.0	23.8	19.4*
Hummingbird Spgs. (A) Nev.	8945	4/30	106	42.4	38.0	22.8*
Pole Creek R. S. Nev.	8330	4/26	71	28.4	31.9	21.6*
#Seventy-six Creek (A) Nev.	7100	4/30	17	6.8	--	--
OWYHEE RIVER						
#Bear Creek (A) Nev.	7800	4/30	60	24.0	23.8	19.4*
#Seventy-six Creek (A) Nev.	7100	4/30	60	24.0	--	--
Silver City	6400	4/25	44	21.5	16.6	6.7*
South Mountain	6340	4/25	28	12.8	4.3	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Conner Pass	5700	36	9.8	5/1	9.4	9.4	9.2
Howell Canyon	8000	48	11.5	5/1	8.0	10.4	6.3
Sheep Hollow	6200	36	7.5	3/28	6.4[a]	6.6[a]	6.2[a]
Sublett	6000	36	7.0	3/28	6.8[a]	6.3[a]	6.0[a]
GOOSE CREEK							
Badger Gulch	6660	36	7.0	4/28	7.3	7.3	6.4

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SNOW

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UPPER SNAKE RIVER BASIN						
HENRYS FORK RIVER						
Big Springs	6500	4/26	38	19.8	27.5	17.0*
Black Canyon	7850	4/26	104	47.6	--	--
Black Moose	8125	4/26	116	53.6	--	--
Grassy Lake Wyo.	7230	5/1	90	45.3	50.5	32.6
Island Park	6315	4/27	16	7.0	17.5	9.7*
Latham Springs	7650	4/26	88	40.4	--	--
Lucky Dog	6900	4/26	58	29.2	--	--
Old Road	7250	4/26	76	37.2	--	--
Poacher's Cabin	8000	4/26	100	46.0	--	--
Sawtelle Mountain	8715	4/27	103	43.7	53.5	--
Targhee Pass	7000	4/27	40	16.9	24.2	14.0*
Valley View	6500	4/27	28	12.8	24.5	13.0*
TETON RIVER						
Freds Mountain	8000	5/1	73	32.9	40.0	--
Pine Creek Pass	6750	5/1	31	15.3	20.5	11.0*
State Line	6400	5/1	22	10.7	15.7	8.5
BLACKFOOT RIVER						
Slug Creek Divide	7225	4/28	38	19.6	--	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	4/27	9.6	9.2	8.2
Valley View	6500	48	13.3	4/27	11.7	11.8	12.6[a]
TETON RIVER							
Pine Creek Pass	6750	48	13.3	5/1	14.7	14.5	12.2
State Line	6400	48	14.8	5/1	15.3	15.3	12.8
Teton Pass	8500	48	10.5	5/1	9.4	10.4[a]	6.9

a April Measurement

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GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	4/28	65	32.1	38.6	21.5*
Montpelier Creek						
Giveout	6840	5/1	25	11.6	14.7	--
Little Beaver	6970	5/1	43	21.9	19.6	--
Whiskey Flat	6985	5/1	9	3.5	9.8	--
Mink Creek						
Christensen Ranch	5600	5/1	0	0.0	0.0	0.0*
#Emigrant Summit	7350	4/28	65	32.1	38.6	21.5*
Liberty Spring	8600	5/1	120	53.0	61.8	39.4*
Strawberry Creek	5800	5/1	0	0.0	4.3	2.1*
Strawberry Mink Divide	6800	5/1	39	19.2	29.0	14.1*
Cub River						
Cub River R. S.	5400	5/1	0	0.0	0.0	0.0*
Willow Flat	6100	5/1	0	0.0	6.2	3.3*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.4	4/28	7.7	7.3	7.1
Strawberry Creek	5800	48	12.7	4/28	12.3	12.9	10.6
Montpelier Creek							
Giveout Pass	7025	36	9.4	5/1	7.5	7.6	4.2[a]
Jenson Ranch	6580	48	18.7	5/1	16.1	17.9	10.8[a]

a April Measurement

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USDA-SCS-PORTLAND, OREG. 1971

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JUNE 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

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COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

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STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

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USDA-SCS PORTLAND OREG 1970

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Acting Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

JUNE 1, 1972

SNOW SURVEYS, SUPPLEMENTAL MEASUREMENTS AND CORRECTIONS

Key snow courses measured near the first of June indicate a heavy snowpack remains at high elevations. High elevation snow courses in southern Idaho show slightly less water content than June 1971; however, courses on the Clearwater and Spokane watersheds reported greater snow-water equivalent than last year. Cool temperatures in general retarded snowmelt allowing a more normal runoff and minimized the flood hazard in most areas. High water has been experienced on the Clearwater and Salmon drainages but would have been more damaging had it not been for the combination of light precipitation and cool temperatures. Precipitation during May ranged from slightly above normal on the Clearwater watershed, average on the Pend Oreille-Spokane drainages, to well below normal in the rest of the state.

The water supply outlook is good to excellent throughout Idaho. Reservoirs are now being filled for irrigation for the 1972 season.

This report carries supplemental and corrected measurements made earlier in the season.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
JUNE 1, 1972 MEASUREMENTS						
Atlanta Summit	7500	5/30	70	35.3	--	--
Bear Canyon	7920	5/30	T	T	--	--
Big Creek Summit	6600	5/30	58	31.4	27.8	--
Bogus Basin	6120	5/30	T	T	2.2	--
Brundage Mountain	7560	5/30	84	45.8	53.2	--
Copper Basin	7650	5/30	0	0.0	--	--
Crater Meadows	6100	5/31	83	56.4	42.8	--
Coolwater Mountain	6200	5/29	74	40.0	--	--
Deadwood Summit	7000	5/30	70	36.9	--	--
Elk Butte	5550	5/28	69	36.6	--	--
Galena	7300	5/30	T	T	--	--
Galena Summit	8795	5/30	46	23.2	25.3	--
Goat Lake	6600	5/28	106	56.0	43.0	--
Granite Peak	6000	5/28	116	57.4	46.0	--
Hemlock Butte	5500	5/31	112	58.0	42.4	--
Jackson Peak	7000	5/31	45	25.4	--	--
Lookout	5250	6/1	46	25.3	18.2	--
Lost Lake	6000	5/28	161	83.0	55.0	--
Mascot Mine	7900	5/30	0	0.0	--	--
Medicine Ridge	6150	5/28	121	61.0	45.4	--
Moores Creek Summit	6100	5/31	38	20.8	21.6	6.8
Orogrande Mountain	7800	5/29	106	49.2	--	--
Schweitzer Bowl	4500	5/31	0	0.0	0.0	--
Schweitzer Ridge	6100	5/31	62	34.8	39.2	--
Squaw Meadow	5800	6/1	33	17.5	--	--
Stickney Mill	7500	5/30	0	0.0	--	--
Swede Peak	7500	5/31	0	0.0	--	--
Trinity Mountain	7780	5/30	78	42.9	43.2	--
Vienna Mine	8900	5/30	94	46.8	--	--
SUPPLEMENTAL MEASUREMENTS						
NOVEMBER 1, 1971						
Boulder Creek	5500	11/1	11	1.8	2.3	--
Fourth of July Summit	3100	11/1	8	0.8	--	--
Lookout	5250	11/1	22	3.4	--	--
Pierce Ranger Station	3170	11/2	9	1.3	0.0	--
NOVEMBER 15, 1971						
Pierce Ranger Station	3170	11/16	6	0.8	0.0	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Average 6

SUPPLEMENTAL MEASUREMENTS

DECEMBER 1, 1971

Bogus Basin	6120	12/2	33	7.3	8.8	--
Boulder Creek	5500	11/29	26	5.0	4.1	--
China Hat	6300	11/30	12	1.6	--	--
Crumarine Creek	3340	11/30	12	2.2	1.0	--
East Twin	4050	11/30	13	2.7	1.2	--
Emigrant Summit	7350	12/1	33	6.6	7.5	--
Giveout	6840	12/1	21	3.0	3.9	--
Howard Creek	3450	11/30	7	1.6	1.0	--
Lower Pebble	5800	12/3	23	4.5	--	--
Midway	2200	11/24	0	0.0	0.0	--
Moscow Mountain	4400	11/30	20	4.9	2.1	--
Pebble Creek	6550	12/3	23	5.2	--	--
Pierce Ranger Station	3170	12/1	13	3.0	1.4	--
Somsen Ranch	7000	11/30	26	4.3	4.8	--
West Twin	4250	11/30	14	3.4	1.6	--

DECEMBER 15, 1971

Bogus Basin	6120	12/15	69	14.8	--	--
Bogus Basin Road	5360	12/15	39	7.6	--	--
Pierce Ranger Station	3170	12/15	50	8.1	1.8	--
Trinity Mountain	7780	12/8	50	11.8	--	--

JANUARY 15, 1972

Bad Bear	5500	1/18	58	16.8	12.1	--
Bogus Basin	6120	1/14	69	23.0	24.0	--
Bogus Basin Road	5360	1/14	38	10.4	6.9	--
Buck Meadows	5600	1/14	95	25.2	--	--
Horse Creek Helispot	4100	1/15	65	16.7	--	--
Moores Creek Summit	6100	1/18	96	27.5	28.6	--
Mount Baldy	9000	1/14	55	13.5	19.4	11.0
Pierce Ranger Station	3170	1/15	54	15.5	7.8	--

FEBRUARY 15, 1972

Bad Bear	5500	2/16	66	21.6	--	--
Bogus Basin	6120	2/15	91	33.5	--	--
Bogus Basin Road	5360	2/15	41	13.0	--	--
Galena	7300	2/15	63	19.4	21.2	--
Galena Summit	8795	2/15	76	24.2	26.6	--
Moores Creek Summit	6100	2/16	113	37.5	36.5	--
Mount Baldy	9000	2/14	61	18.0	22.5	15.4
Pierce Ranger Station	3170	2/15	64	19.8	10.8	9.4

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USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6

SUPPLEMENTAL MEASUREMENTS

MARCH 15, 1972						
Fourth of July Summit	3100	3/16	24	9.4	11.9	--
Galena	7300	3/16	65	24.8	26.4	--
Galena Summit	8795	3/16	86	31.2	32.6	--
Lookout	5250	3/16	124	53.8	45.2	36.2
Mount Baldy	9000	3/16	70	24.5	23.6	19.0
Pierce Ranger Station	3170	3/15	55	23.4	13.4	11.4
Prairie	4900	3/15	23	8.6	9.3	--
Sherwin	3200	3/14	66	22.8	15.4	--
APRIL 15, 1972						
Above Burke	4100	4/19	80	35.7	--	--
Bad Bear	5500	4/14	45	20.3	15.2	--
Bogus Basin	6120	4/13	86	34.7	37.2	--
Galena	7300	4/18	56	23.5	26.8	--
Galena Summit	8795	4/18	92	34.6	36.2	--
Lookout	5250	4/17	124	57.1	48.7	--
Moores Creek Summit	6100	4/14	111	48.2	45.4	31.5
Pierce Ranger Station	3170	4/17	37	16.0	5.7	5.0
Prairie	4900	4/15	0	0.0	T	--
MAY 1, 1972						
Jackson Peak	7000	5/5	96	44.7	--	32.9*
MAY 15, 1972						
Atlanta Summit	7500	5/16	89	42.2	40.7	--
Bogus Basin	6120	5/12	51	24.7	16.3	--
Galena	7300	5/15	19	9.0	--	--
Galena Summit	8795	5/15	66	30.6	--	--
Lookout	5250	5/15	84	47.0	39.5	--
Moores Creek Summit	6100	5/16	72	39.0	29.4	--
Trinity Mountain	7780	5/17	94	48.5	51.2	--

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SNOW

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					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6

CORRECTIONS TO PREVIOUSLY PUBLISHED 1972 DATA

JANUARY 1, 1972						
Deadwood Airstrip	5440	12/27	46	11.3	14.7	5.6*
Pebble Creek	6550	1/3	40	11.8	--	--
FEBRUARY 1, 1972						
Deadwood Airstrip	5440	1/27	52	16.6	15.5	10.3*
Deadwood Dam	5290	1/27	52	16.5	18.5	11.0
Moser	5950	1/28	34	8.8	10.0	--
Secesh Summit	6600	1/31	100	32.1	--	--
Squaw Meadow	5800	1/31	105	30.5	--	--
Sweeney	4435	2/1	31	8.0	5.2	5.0*
MARCH 1, 1972						
Atlanta Summit	7500	3/7	128	46.7	42.1	28.6*
Pebble Creek	6550	3/2	60	23.3	17.6	12.1
APRIL 1, 1972						
Aspen Grove	6600	3/30	38	16.8	15.5	--
Deadwood Dam	5290	3/27	44	18.8	27.1	17.0
Hemlock Butte	5500	3/30	188	77.2	62.5	52.1*
Taylor Mountain	6500	3/29	40	15.9	11.6	--
MAY 1, 1972						
Medicine Ridge	6150	4/28	165	77.1	63.0	--

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Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
ROOM 345
304 N. 8TH ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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AT URBANA-CHAMPAIGN

Prepared by

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COVER PHOTO NUMBER PNW-286-4

USDA SCS PORTLAND, OREG 1973

WATER SUPPLY OUTLOOK FOR IDAHO

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SNOW SURVEY SECTION
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BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR JANUARY 1, 1973

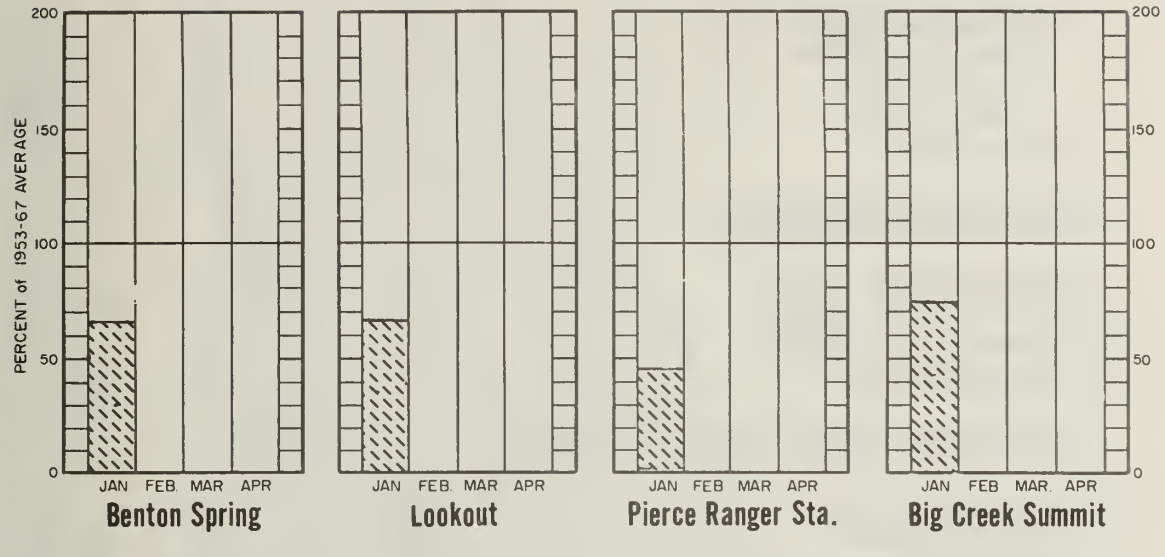
Snowfall to date has been variable throughout Idaho. The snowpack on the watersheds of northern Idaho from the Clearwater north are well below normal varying from a low of 27% of average on the Palouse to 78% of normal for the Clearwater. Snow accumulation on drainages across southern Idaho north of the Snake River vary from 80% of average on the Salmon River to 110% of normal on the Teton, except for the Big Wood watershed at 73%. Other drainages in this area are near normal for this time of year. Drainages south of the Snake River are slightly above to well above average with 105% on the Owyhee in Idaho to 152% of normal on the headwaters of Salmon Falls Creek in Nevada. Great Basin drainages have near normal snowpack.

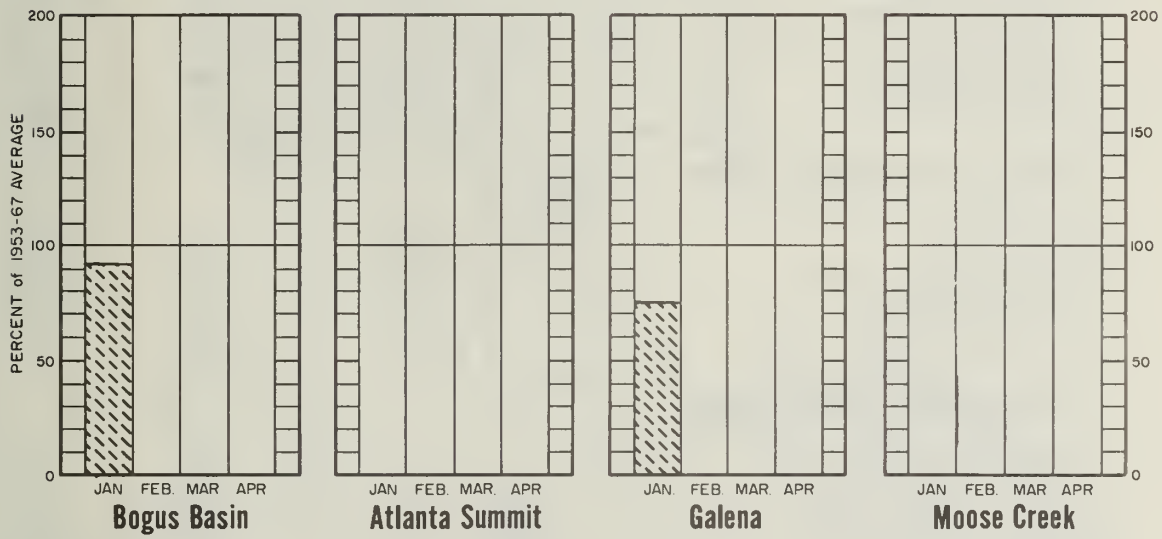
Soil moisture conditions are variable throughout the state with below normal reports at low and high elevations and near average conditions at the middle elevations.

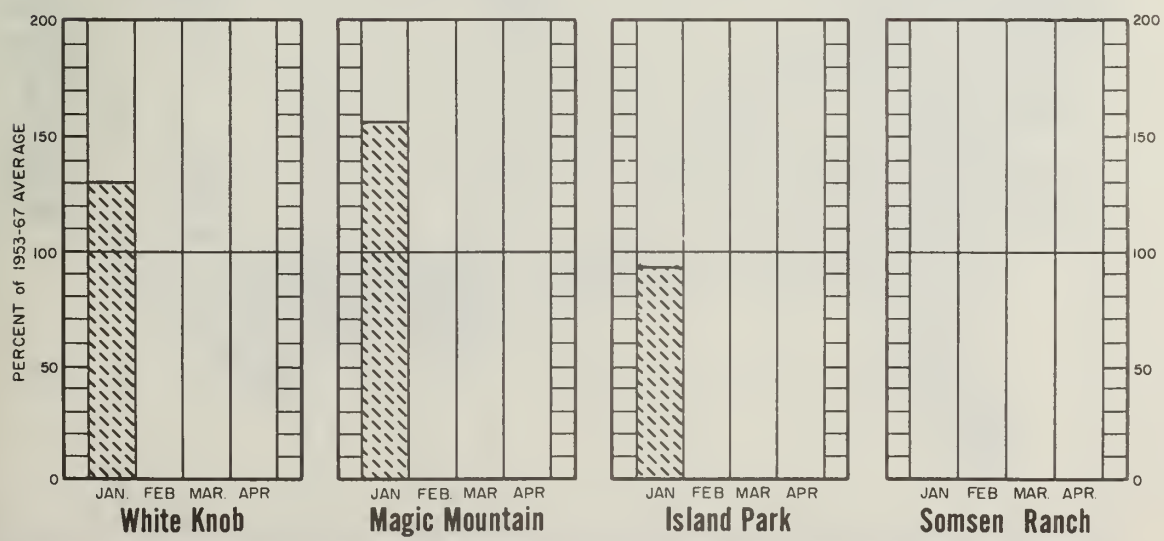
Carryover storage in the irrigation reservoirs is excellent, reflecting the heavy runoff for the past two seasons.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1953-67 15 Yr. Average

January 1, 1973







COMPARISON of SNOW COVER

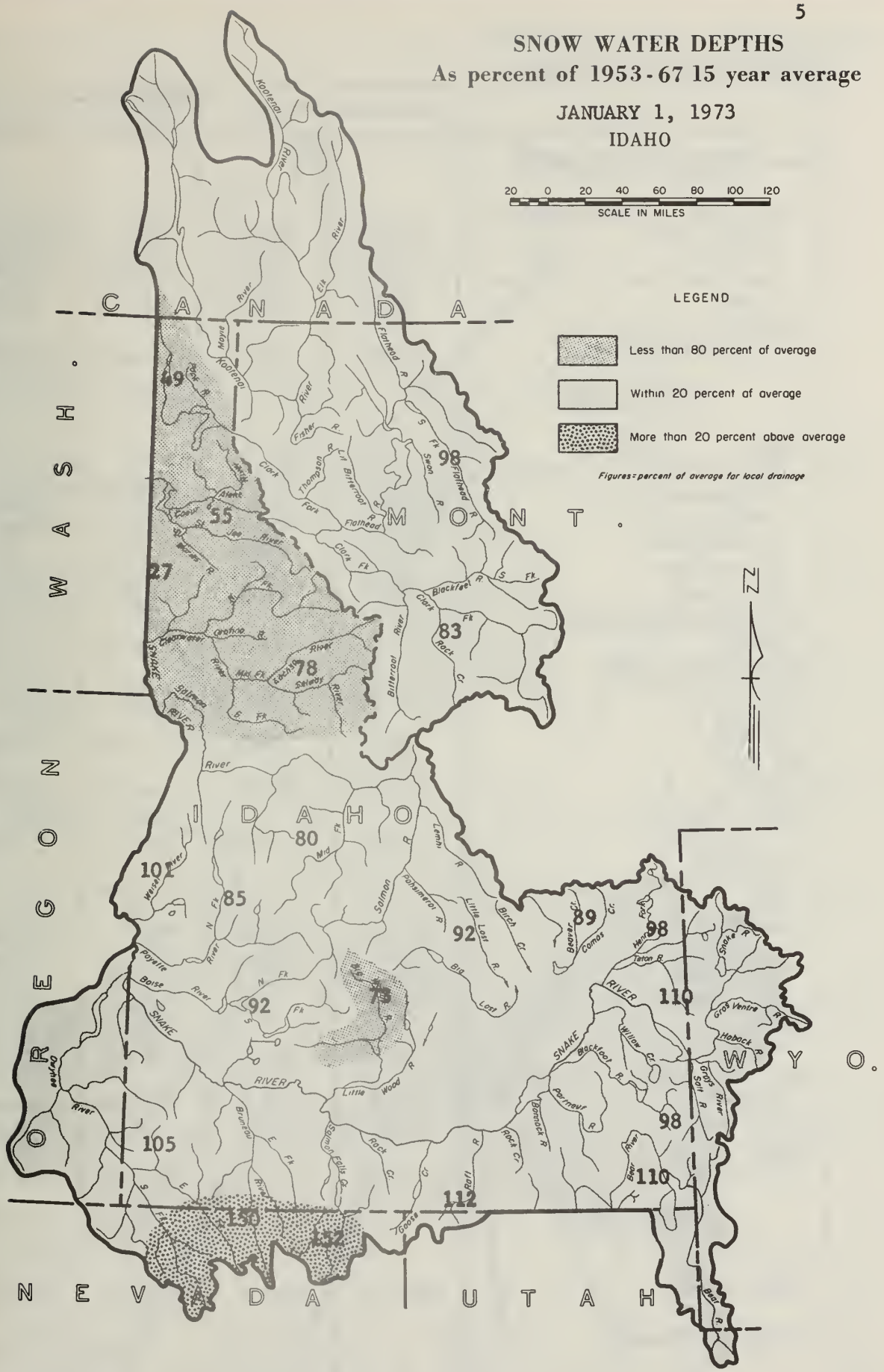
RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Pend Oreille River	30	56	86
Clark Fork River	22	57	83
Flathead River	8	55	98
Priest River	3	51	49
Spokane River	2-5	39	55
LOWER SNAKE RIVER BASIN			
Palouse River	5	7	27
Clearwater River	4-15	47	78
Salmon River	8-19	61	80
Lemhi River	6	60	--
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	44	92
Big Lost River	1-3	60	131
Big Wood River	5	53	73
Boise River	4-6	55	92
Payette River	7-9	58	85
Weiser River	1	69	101
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	1	59	112
Salmon Falls Creek	6-9	68	152
Bruneau River	3-4	74	150
Owyhee River - Idaho	3-4	48	105
UPPER SNAKE RIVER BASIN			
Camas-Beaver Creeks	2	40	89
Henrys Fork River	5-6	57	98
Teton River	2-3	66	110
Blackfoot River	1	61	--
Portneuf River	2	48	--
GREAT BASIN			
Montpelier Creek	4	86	98
Mink Creek	1	66	110
Cub River	2	69	--

SNOW WATER DEPTHS

As percent of 1953-67 15 year average

JANUARY 1, 1973

IDAHO



U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

RESERVOIR STORAGE (1,000 Ac. Ft.)

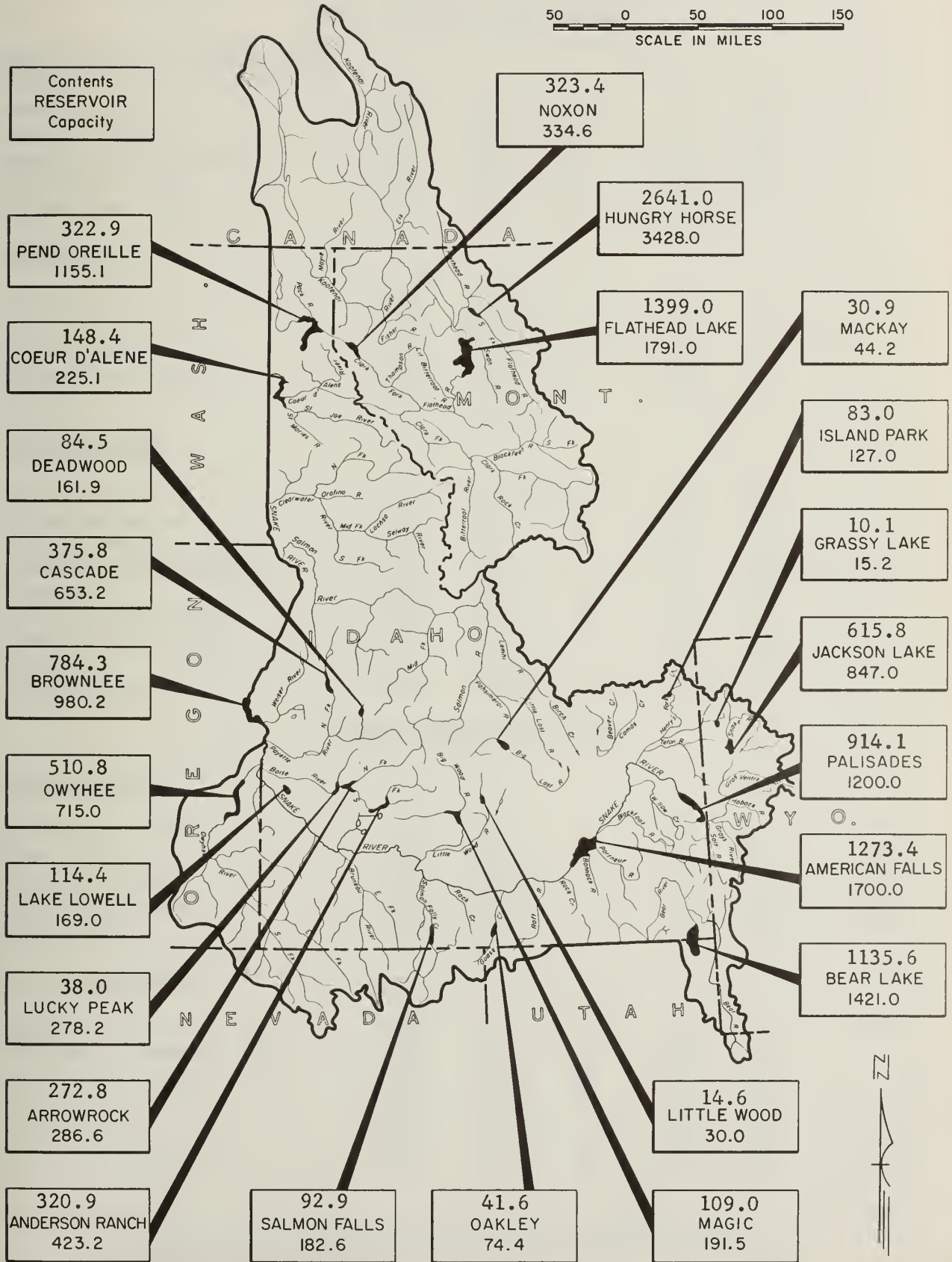
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2641.0	2243.0	2766.0*
Flathead	1791.0	1399.0	1338.0	1330.0
Pend Oreille	1155.1	322.9	147.2	515.4
Noxon	334.6	323.4	317.4	321.1*
Spokane				
Coeur d'Alene	225.1	148.4	60.6	153.2
SNAKE BASIN				
Snake				
Jackson Lake	847.0	615.8	621.5	423.4
Palisades	1200.0	987.4	914.1	634.0*
American Falls	1700.0	1085.4	1273.4	1029.7
Island Park	127.0	83.0	82.8	76.2
Grassy Lake	15.2	10.1	13.5	10.2
Brownlee	980.2	784.3	877.6	773.2*
Goose-Trapper Creeks				
Oakley	74.4	41.6	37.8	11.2
Salmon Falls Creek				
Salmon Falls	182.6	92.9	79.5	19.9
Big Lost				
Mackay	44.2	30.9	27.3	25.4
Big Wood				
Magic	191.5	109.0	148.0	87.2
Little Wood				
Little Wood	30.0	14.6	20.3	8.5*
Fish Creek				
Carey Valley	14.4	1.9	7.0	--
Boise				
Anderson Ranch	423.2	320.9	347.7	250.0
Arrowrock	286.6	272.8	275.5	197.5
Lucky Peak	278.2	38.0	88.4	58.0*
Lake Lowell (Deer Flat)	169.0	114.4	129.1	93.0
Owyhee				
Owyhee	715.0	510.8	526.2	330.8
Payette				
Cascade	653.2	375.8	392.8	283.8
Deadwood	161.9	84.5	75.0	63.5
Weiser				
Mann Creek	11.1	3.3	1.7	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1135.6	1122.4	845.0

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1973



SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	12/27	T	T	3.8	3.2
Benton Spring	4900	12/27	24	5.8	11.1	8.6
#Mosquito Ridge (SP)	5110	1/3	--	12.0	19.0	--
Schweitzer Bowl	4500	12/27	44	9.7	18.8	--
Schweitzer Ridge	6100	12/27	58	15.3	26.7	--
HAYDEN LAKE						
Chilco Ridge	3650	12/27	0	0.0	--	--
Conie Creek Ridge	3900	12/27	0	0.0	--	--
Corner Creek	3200	12/27	0	0.0	--	--
Sage Creek Saddle	4100	12/27	11	4.0	--	--
Ulrich Creek	2850	12/27	0	0.0	--	--
SPOKANE RIVER						
Above Burke	4100	12/29	20	5.1	14.0	--
Above Burke (SP)	4100	12/29	--	4.6	13.8	--
Copper Ridge	4800	1/2	23	7.9	--	--
Fourth of July Summit	3100	12/29	0	0.0	9.8	3.5*
Lookout	5250	12/29	42	10.5	19.4	15.7
Lower Sands Creek	3400	12/27	11	3.5	--	--
Mosquito Ridge (SP)	5110	1/3	--	12.0	19.0	--
Sherwin	3200	12/22	6	1.3	11.4	--
Sherwin (SP)	3200	12/22	--	2.7	--	--
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	12/21	T	0.3	10.2	2.5*
East Twin	4050	12/21	T	1.0	12.0	3.9*
Howard Creek	3450	12/21	0	0.0	8.6	1.6*
Moscow Mountain	4400	12/21	8	2.3	17.3	5.9*
West Twin	4250	12/21	T	1.0	13.5	3.0*
CLEARWATER RIVER						
Cayuse Airstrip	3700	12/27	4	0.8	14.0	3.6*
Coolwater Mountain (SP)	6200	1/1	--	8.6	--	--
Cottonwood Butte	5140	12/29	16	3.0	10.4	--
Crater Meadows	6100	12/27	56	16.3	28.2	--
Crooked Fork	3600	12/27	7	2.5	8.6	--
Fish Lake Airstrip	5000	12/27	50	13.6	25.0	16.8*
Hemlock Butte	5500	1/4	70	19.3	39.6	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
Hemlock Butte (SP)	5500	1/1	--	18.3	--	--
#Hoodoo Basin Mont.	6000	1/3	65	18.1	28.5	--
#Hoodoo Basin (SP) Mont.	6000	1/1	--	17.5	--	--
#Hoodoo Creek Mont.	5900	1/3	64	17.1	27.5	18.0
Lolo Pass	5250	12/27	40	10.6	16.7	--
Lower Snowhaven	5250	12/30	21	4.0	14.0	--
Orogrande Mountain (R)	7800	1/4	--	14.1	--	--
Pierce Ranger Station	3170	1/5	11	2.0	10.2	4.3*
Powell Ranger Station	3410	12/27	6	2.0	7.4	--
Savage Pass	6160	12/27	38	9.0	12.4	--
Savage Pass (New)	6160	12/27	40	9.5	--	--
Shanghai Summit	4600	1/4	27	7.1	19.5	--
Upper Snowhaven	5600	12/30	21	4.6	15.2	--
SALMON RIVER						
Big Creek Summit	6600	12/27	49	12.6	19.5	17.0*
#Boulder Creek	5500	1/2	43	9.8	14.2	9.7*
Brundage Mountain	7560	12/29	67	14.5	25.5	--
Chapman Creek	4215	12/30	3	0.2	4.3	1.5*
#Deadwood Summit	7000	1/3	70	19.6	21.0	--
#Deadwood Summit (SP)	7000	1/3	--	19.5	20.5	--
#Galena Summit	8795	12/28	35	7.5	13.4	9.9
#Gibbons Pass Mont.	7100	12/27	41	8.3	12.0	9.6
Johns Creek	3805	12/30	1	0.2	2.9	1.1*
Mill Creek Summit	8870	12/27	32	7.3	12.1	--
Moose Creek	6200	12/29	34	7.2	9.8	--
Morgan Creek	7580	12/26	24	4.8	8.7	--
#Rock Flat Summit	5200	12/29	24	5.2	11.4	6.6
#Secesh Summit	6600	12/29	59	14.0	--	--
#Squaw Meadow	5800	12/29	55	14.3	--	--
Vienna Mine	8900	12/29	49	12.0	--	--
Whitebird Summit	4390	12/30	6	1.3	6.2	2.2*
Lemhi River						
Above Gilmore	8200	1/2	16	2.7	6.4	--
Aspen-Hall Pass	8110	1/2	25	4.1	5.6	--
Copes Camp	7500	1/3	18	3.0	3.9	--
Hall Creek	7560	1/2	16	2.5	3.5	--
Meadow Lake	9100	1/2	27	6.1	12.0	--
Schwartz Lake	8500	1/3	24	3.8	5.6	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SCS-SCS-PORTLAND, OREG. 1971

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	12/29	9.2	10.1	9.8
Lookout	5250	48	11.0	12/29	5.2	6.8	8.2
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	12/27	3.3	4.6	5.8
Lemhi River							
Above Gilmore	8200	60	5.4	1/2	3.4	4.0	2.8
Meadow Lake	9100	48	4.4	1/2	2.1	2.4	2.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [6]
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	12/26	13	2.0	3.8	1.6*
Lost Garfield	6600	12/26	11	1.5	4.1	1.5*
Moonshine	7450	12/26	23	4.2	8.1	4.8*
Sawmill Canyon	6900	12/26	17	2.7	7.4	3.5*
Wet Creek Summit	7600	12/27	20	4.0	9.2	4.3*
BIG LOST RIVER						
Bear Canyon	7920	1/7	25	5.3	--	--
Copper Basin	7650	1/1	11	2.4	--	--
Dry Fork	7340	12/28	26	5.2	--	--
Iron Bog	7650	12/28	27	5.4	7.6	--
Leadbelt	6800	12/28	16	3.2	5.7	--
Stickney Mill	7500	1/7	16	2.5	--	--
White Knob	7700	12/29	19	3.8	7.5	2.9*
FISH CREEK						
#Dry Fork	7340	12/28	26	5.2	--	--
LITTLE WOOD RIVER						
#Bear Canyon	7920	1/7	25	5.3	--	--
Garfield Ranger Station	6554	12/29	13	2.6	--	4.2
Muldoon	6300	12/29	12	2.2	--	3.1
Swede Peak	7650	12/29	26	5.5	--	--
BIG WOOD RIVER						
#Couch Summit	6950	12/26	29	5.9	9.0	--
Galena	7300	12/28	29	5.8	10.0	7.8
Galena Summit	8795	12/28	35	7.5	13.4	9.9
Graham Ranch	6200	1/2	19	3.8	6.6	5.6
Mascot Mine	7900	12/27	22	5.5	--	--
Mount Baldy	9000	12/29	28	6.0	10.7	8.8
Soldier Ranger Station	6100	12/26	15	3.4	8.8	4.3*
#Vienna Mine	8900	12/29	49	12.0	--	--
BOISE RIVER						
Atlanta Summit	7500	12/29	48	11.7	--	--
Bad Bear	5500	1/2	17	4.0	11.0	4.9*
#Bogus Basin	6120	1/2	26	7.5	19.0	8.1
Couch Summit	6950	12/26	29	5.9	9.0	--
Jackson Peak	7000	1/2	49	12.4	--	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
Moores Creek Summit	6100	1/2	43	12.3	20.2	12.3
#Soldier Ranger Station	6100	12/26	15	3.4	8.8	4.3*
Trinity Mountain	7780	12/29	58	15.3	20.3	--
Trinity Mountain (R)	7780	12/29	--	13.0	--	--
#Vienna Mine	8900	12/29	49	12.0	--	--
PAYETTE RIVER						
#Big Creek Summit	6600	12/27	49	12.6	19.5	17.0*
Bogus Basin	6120	1/2	26	7.5	19.0	8.1
#Brundage Mountain	7560	12/29	67	14.5	25.5	--
Cozy Cove	5900	12/29	25	6.6	12.0	5.9
Crawford Ranger Station	4800	12/27	6	2.4	5.5	2.7*
Deadwood Airstrip	5440	12/29	21	4.3	11.3	5.6*
Deadwood Dam	5290	12/29	25	6.1	11.2	6.5
Deadwood Summit	7000	1/3	70	19.6	21.0	--
Deadwood Summit (SP)	7000	1/3	--	19.5	20.5	--
#Jackson Peak	7000	1/2	49	12.4	--	--
Lake Fork	6000	1/5	23	5.8	--	--
Rock Flat Summit	5200	12/29	24	5.2	11.4	6.6
Secesh Summit	6600	12/29	59	14.0	--	--
Squaw Meadow	5800	12/29	55	14.3	--	--
WEISER RIVER						
Boulder Creek	5500	1/2	43	9.8	14.2	9.7*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	12/26	7.4	7.7	7.5
Wet Creek Summit	8175	48	17.1	12/27	13.2	13.0	13.0
BIG WOOD RIVER							
Galena	7300	48	10.1	12/28	5.2	4.6*	5.8
Galena Summit	8795	48	5.8	12/28	Frozen	1.7*	Frozen
BOISE RIVER							
Bogus Basin	6120	48	13.1	1/2	5.9	9.3	--
Bogus Basin Road	4830	48	7.1	1/2	2.9	5.0	5.7

*Fall Measurement

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average 6
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Howell Canyon	8000	12/28	39	10.5	17.9	9.4*
GOOSE CREEK						
Badger Gulch	6660	12/29	21	5.0	9.7	3.3*
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	12/26	35	9.8	12.8	6.6*
Cedar Creek (A)	7000	12/26	21	5.9	8.0	--
Deadline	6900	12/28	48	12.6	19.4	8.1*
Goat Creek (A) Nev.	8800	12/26	36	10.1	12.3	6.8*
#Hummingbird Spgs.(A) Nev.	8945	12/26	36	10.1	13.1	7.0*
Magic Mountain	6700	12/29	40	9.9	15.5	6.3*
#Pole Creek R. S. Nev.	8330	12/27	36	10.2	14.9	6.5*
Shoshone Basin	5740	12/28	15	3.4	8.0	--
Wilson Creek (A)	7500	12/26	27	7.6	12.8	--
BRUNEAU RIVER						
Bear Creek (A) Nev.	7800	12/26	35	9.8	12.8	6.6*
Hummingbird Spgs.(A) Nev.	8945	12/26	36	10.1	13.1	7.0*
Pole Creek R. S. Nev.	8330	12/27	36	10.2	14.9	6.5*
#Seventy-six Creek(A) Nev.	7100	12/26	22	6.2	8.0	--
OWYHEE RIVER						
#Bear Creek (A) Nev.	7800	12/26	35	9.8	12.8	6.6*
#Seventy-six Creek(A) Nev.	7100	12/26	22	6.2	8.0	--
Silver City	6400	12/27	15	3.4	14.2	4.9*
South Mountain	6340	12/27	13	2.6	11.1	3.6*
South Mountain (SP)	6340	12/27	--	3.8	--	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Conner Pass	5700	36	9.8	12/28	8.8	6.4	--
Howell Canyon	8000	48	11.5	10/10	8.0*	6.7	9.0
Sheep Hollow	6200	36	7.5	10/11	2.5*	2.5*	--
Sublett	6000	36	6.0	10/11	4.2*	5.0*	--
GOOSE CREEK							
Badger Gulch	6660	36	7.0	12/29	5.8	5.9	--
*Fall Measurement							

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

WSB-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)
UPPER SNAKE RIVER BASIN							
CAMAS-BEAVER CREEKS							
Camp Creek		6800	12/29	17	3.1	8.0	3.5
Kilgore		6200	12/29	17	3.1	7.5	3.5*
HENRYS FORK RIVER							
Big Springs		6500	1/6	32	7.6	12.4	7.2
Big Springs (New)		6500	1/6	36	7.6	--	--
Grassy Lake	Wyo.	7230	1/2	51	14.5	18.9	13.4
Island Park		6315	1/5	28	5.2	10.6	5.6
Island Park (New)		6315	1/5	28	5.2	--	--
Sawtelle Mountain		8715	1/5	48	12.1	20.7	--
Targhee Pass		7000	1/5	24	4.3	10.0	5.1*
Valley View		6500	1/5	24	4.1	10.8	5.3
White Elephant		7700	1/5	37	9.2	--	--
TETON RIVER							
Darby Canyon (A)	Wyo.	8250	12/29	33	8.3	--	--
Freds Mountain	Wyo.	8000	12/30	41	10.3	15.5	--
Pine Creek Pass		6750	12/30	30	7.6	10.7	6.0*
State Line		6400	12/30	22	5.0	8.3	5.4
WILLOW CREEK							
Bone		6200	12/27	14	3.3	6.9	--
Ozone		5800	12/27	3	0.7	2.8	--
SAND CREEK							
Henry Creek		5650	12/27	8	2.1	5.0	--
Taylor Mountain		6500	12/27	17	3.5	9.5	--
BLACKFOOT RIVER							
Slug Creek Divide		7225	12/27	30	7.1	--	--
Somsen Ranch		7000	12/29	29	6.2	10.1	--
PORTNEUF RIVER							
Lower Pebble		5800	12/27	21	4.8	11.5	--
Pebble Creek		6550	12/27	28	6.3	11.8	--

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SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	1/5	8.4	8.2	8.3
Valley View	6500	48	13.3	1/5	Frozen	7.2	Frozen
TETON RIVER							
Pine Creek Pass	6750	48	13.3	12/30	11.8	11.6	12.4
State Line	6400	48	14.8	12/30	13.5	12.6	15.5
Teton Pass	8500	48	10.5	12/30	9.1	9.8	8.9
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	12/27	7.2	6.8	8.5
Pebble Creek	6550	48	7.2	12/27	6.3	5.4	4.0*

*Fall Measurement

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	12/27	36	9.8	14.9	8.9*
Montpelier Creek						
Giveout	6840	12/27	24	5.4	6.5	5.0*
Little Beaver	6970	12/27	30	6.8	6.6	6.4*
Montpelier Creek	6570	12/27	17	2.8	4.1	4.1*
Whiskey Flat	6985	12/27	19	4.4	5.4	4.3*
Mink Creek						
#Emigrant Summit	7350	12/27	36	9.8	14.9	8.9*
Cub River						
Cub River R. S.	5400	12/29	20	3.8	5.4	--
Willow Flat	6100	12/29	32	6.2	9.0	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	12/27	5.4	6.3	5.8
Strawberry Creek	5800	48	12.7	12/29	7.1	10.1	--
Montpelier Creek							
Giveout Pass	7025	36	9.4	12/27	4.0	--	7.3
Jenson Ranch	6580	48	18.7	12/27	8.2	6.6	6.6

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Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
ROOM 345
304 N. 8TH ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
FEB. 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

COVER PHOTO NUMBER ORC-286-4

WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR FEBRUARY 1, 1973

Snowfall has been extremely variable throughout the state thus far in the 1972-73 season. Snow accumulation as of February 1 varies from a low of 24% of normal on the Palouse River watershed to a high of 176% of average on the Malad River drainage. The snowpack on all watersheds south of the Snake River is above normal while the northern tributaries south of the Clearwater drainage range from below to near average. Snowpack on the northern Idaho watersheds from the Clearwater to the Priest River range from extremely low to well below normal.

Soil moisture in general is lower than normal in all areas. Fall and winter valley precipitation, as reported by selected stations, indicate below normal precipitation on all drainages throughout the state. The one exception is the Owyhee which reported slightly above average.

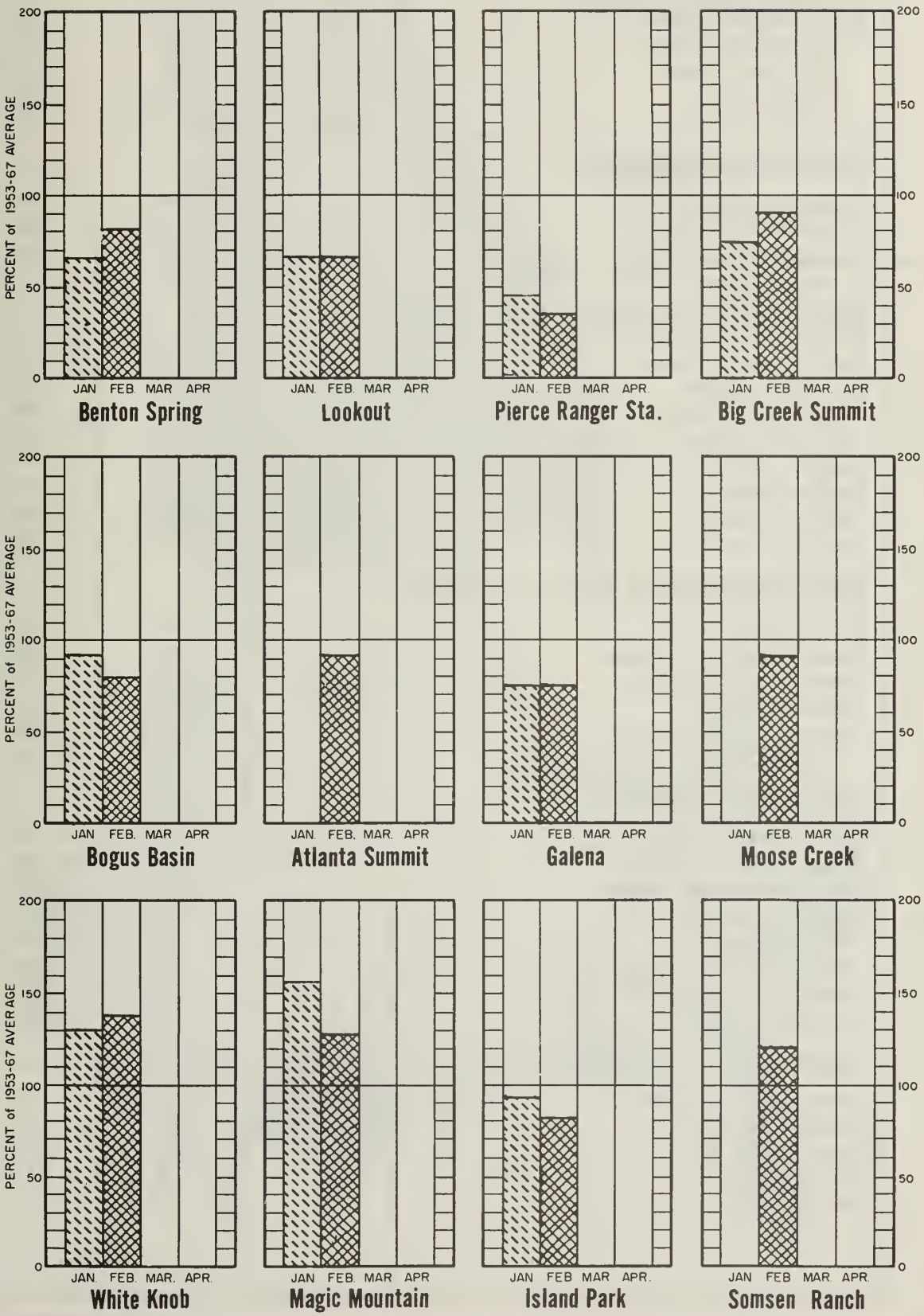
Carryover reservoir storage is good to excellent in all major irrigation reservoirs. Contents in Oakley and Salmon Falls Reservoirs are at an all-time record for February 1.

Forecasts of prospective streamflow for the April-September period range from a low of 70% of average for the Spokane River at Post Falls

to a high of 107% of normal for the inflow to Lake Owyhee. Except for small, low elevation streams and watersheds with no storage facilities, which could experience a shortage, the water supply outlook is forecast to be adequate for the 1973 irrigation season. Climatic conditions during the remainder of the winter will have great bearing on seasonal water supplies throughout the state.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1953-67 15 Yr. Average

February 1, 1973



COMPARISON of SNOW COVER

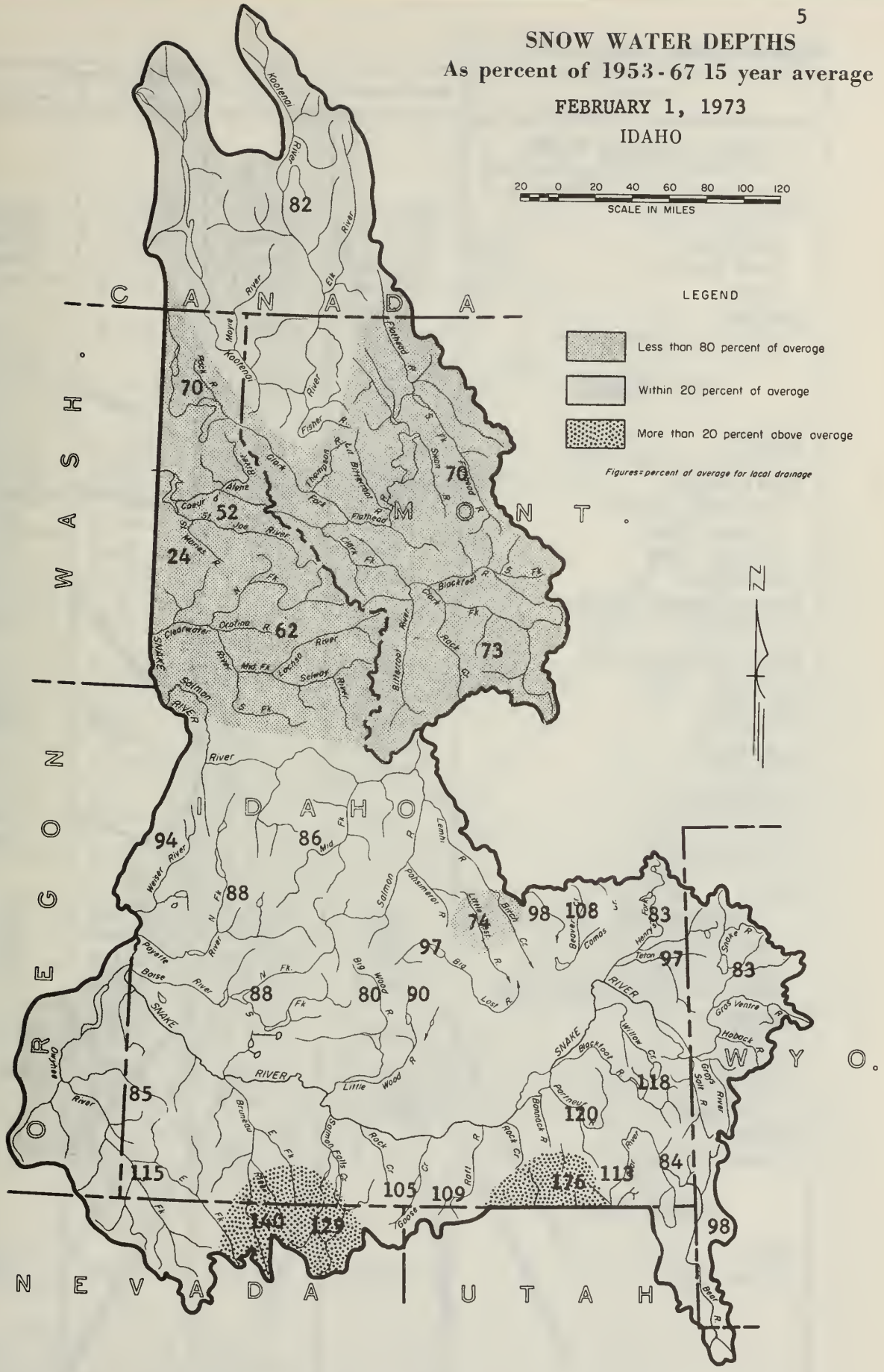
RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	9	57	82
Pend Oreille River	33	45	70
Clark Fork River	6	46	73
Flathead River	11	44	70
Priest River	2-4	62	70
Spokane River	3-4	35	52
LOWER SNAKE RIVER BASIN			
Palouse River	5	12	24
Clearwater River	5-14	42	62
Salmon River	11-22	58	86
Lemhi River	6	46	--
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	48	74
Big Lost River	3-5	62	97
Little Wood River	3-4	73	90
Big Wood River	6-9	58	80
Canyon Creek	4	49	--
Boise River	10-14	51	88
Payette River	9-13	60	88
Weiser River	1	60	94
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	2	45	109
Goose-Trapper Creeks	1	37	105
Salmon Falls Creek	9-10	60	129
Bruneau River	4	61	140
Owyhee River	4	55	115
Jordan Creek	4	35	85
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	22-23	55	83
Camas-Beaver Creeks	2	68	108
Medicine Lodge Creek	2	55	98
Henrys Fork River	9-10	56	83
Teton River	2-3	59	97
Willow-Sand Creeks	8	47	--
Blackfoot River	3	66	118
Portneuf River	3-8	54	120
GREAT BASIN			
Bear River - Lower	15	59	98
Montpelier Creek	4-5	43	84
Mink Creek	4-7	66	113
Cub River	2	76	113
Malad River	2-6	59	176

SNOW WATER DEPTHS

As percent of 1953-67 15 year average

FEBRUARY 1, 1973

IDAHO



U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

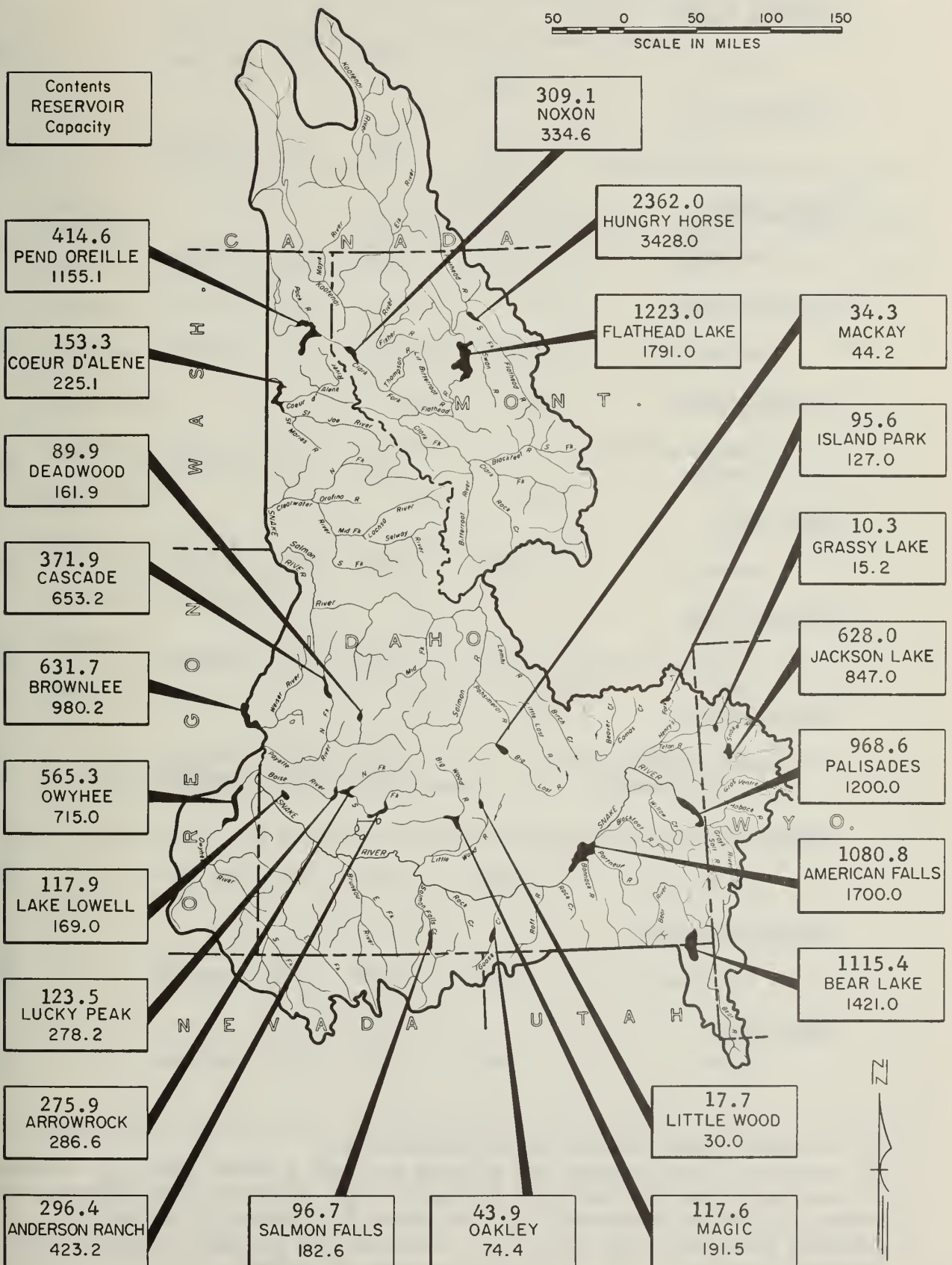
RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2362.0	1870.0	2474.0*
Flathead	1791.0	1223.0	1099.0	1186.0
Pend Oreille	1155.1	414.6	167.2	510.0
Noxon	334.6	309.1	308.4	320.2*
Spokane				
Coeur d'Alene	225.1	153.3	147.3	123.4
SNAKE BASIN				
Snake				
Jackson Lake	847.0	628.0	631.1	440.2
Palisades	1200.0	968.6	912.9	673.2*
American Falls	1700.0	1080.8	1272.8	1241.1
Island Park	127.0	95.6	94.5	97.5
Grassy Lake	15.2	10.3	14.0	10.5
Brownlee	980.2	631.7	839.7	539.8*
Goose-Trapper Creeks				
Oakley	74.4	43.9	42.0	13.5
Salmon Falls Creek				
Salmon Falls	182.6	96.7	85.0	22.7
Big Lost				
Mackay	44.2	34.3	27.6	28.9
Big Wood				
Magic	191.5	117.6	158.5	91.5
Little Wood				
Little Wood	30.0	17.7	20.6	10.5*
Fish Creek				
Carey Valley	14.4	3.4	7.8	--
Boise				
Anderson Ranch	423.2	296.4	292.5	227.0
Arrowrock	286.6	275.9	276.4	227.7
Lucky Peak	278.2	123.5	121.5	108.5*
Lake Lowell (Deer Flat)	169.0	117.9	130.5	101.1
Owyhee				
Owyhee	715.0	565.3	598.1	359.3
Payette				
Cascade	653.2	371.9	335.4	276.9
Deadwood	161.9	89.9	80.2	69.1
Weiser				
Mann Creek	11.1	4.6	3.2	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1115.4	1105.0	854.0

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1973



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
KOOTENAI RIVER						
Leonia	(at)	7800	85	Apr-Sep	--	9198
SPOKANE RIVER						
Post Falls 1/	(at)	2130	70	Apr-Sep	--	3140
SNAKE RIVER						
Heise 2/	(nr)	3350	90	Apr-Sep	--	3743
BIG LOST RIVER						
Mackay 3/	(nr)	165	98	Apr-Sep	--	168
BIG WOOD RIVER						
Magic Reservoir Inflow		235	90	Apr-Sep	--	262
BOISE RIVER						
Boise 4/	(nr)	1510	97	Apr-Sep	--	1556
PAYETTE RIVER						
Horseshoe Bend 5/	(nr)	1800	98	Apr-Sep	--	1839
OWYHEE RIVER						
Lake Owyhee		459	105	Feb-Jul	--	438
net inflow 6/		322	107	Apr-Sep	--	300
SALMON RIVER						
Whitebird	(at)	5900	86	Apr-Sep	--	6850
CLEARWATER RIVER						
Spalding	(at)	6350	74	Apr-Sep	--	8578
BEAR RIVER						
Harer	(at)	255	113	Apr-Sep	--	226

(c) Assuming normal meteorological conditions.
1/ Observed flow corrected for storage in Coeur d'Alene Lake. 2/ Corrected for storage in Jackson Lake and Palisades. 3/ Observed flow corrected for storage in Mackay Reservoir. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Cascade and Deadwood Reservoirs. 6/ U.S.B.R. records of inflow.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter January 1973		Fall - Winter Nov. 72 - Jan. 73	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U.S.	2.67	-0.92	8.70	-1.22
Flathead	1.40	-1.03	4.30	-2.05
Clark Fork	0.41	-0.69	2.14	-0.92
Pend Oreille-Spokane	3.41	-0.99	10.28	-2.19
Upper Snake	1.64	-0.71	5.15	-1.30
Snake River Plain	0.92	-0.30	3.06	+0.23
Salmon-Payette-Boise	2.45	-0.38	7.29	-0.25
Clearwater	1.90	-1.30	7.61	-1.38
Owyhee-Malheur	1.26	+0.04	3.93	+0.50

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1953-67) drainage division average.

UPPER COLUMBIA and LOWER SNAKE RIVER BASINS

ID-1a

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
16A1	I	Smith Creek	29	64N	3W	4800
PEND OREILLE - PRIEST RIVER						
16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
SPOKANE RIVER						
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B15a	I	Pegleg Mountain	15	44N	9E	5735
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
15B16a	I	Timber Camp Flat	23	44N	9E	4300
LOWER SNAKE BASIN						
PALOUSE RIVER						
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C7SR	I	Upper Moscow Mountain	16	40N	4W	4600
16C4P	I	West Twin	14	40N	5W	4250

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.
CLEARWATER RIVER					
16C11	I	Above Greer	14	35N	2E
15D7a	I	Anderson Butte	34	30N	9E
15D8a	I	Anderson Ridge	35	30N	9E
15D9p	I	Blackhawk	31	29N	10E
16C14m	I	Brown	11	35N	3E
15D5MAP	I	Buck Meadows	26	31N	8E
15C3A	I	Cayuse Airstrip	4	38N	11E
15C7R	I	Coolwater Mountain	32	33N	8E
15D10a	I	Copper Butte	35	31N	10E
16C16	I	Cottonwood Butte	33	32N	1W
15C9A	I	Crater Meadows	2	37N	9E
14C10	I	Crooked Fork	27	37N	14E
15D11a	I	Disgrace Butte	26	30N	10E
16C15A	I	Elk Butte	6	40N	3E
15D12p	I	Elk City Rgr. Sta.	23	29N	8E
15D13ap	I	Elk Mountain	34	30N	11E
15C11a	I	Falls Point	10	31N	9E
15C12p	I	Fenn Ranger Station	23	32N	7E
15C2AP	I	Fish Lake Airstrip	35	35N	11E
15C8m	I	Fohl	16	36N	5E
16C9	I	Forest	1	32N	3W
15B3A	I	Forty-nine Meadows	6	43N	5E
14C9A	I	Goat Lake	4	38N	13E
15D14p	I	Green Mountain	15	28N	11E
16C13	I	Greer Summit	13	35N	2E
15C6APR	I	Hemlock Butte	7	36N	7E
15C8s	M	Hoodoo Basin	17	14N	27W
15C1	M	Hoodoo Creek	16	14N	27W
15C14	I	Horse Creek #1	25	31N	8E
15C15	I	Horse Creek #4	5	30N	9E
15D21a	I	Horse Point	4	30N	9E
15D22ap	I	Indian Hill	30	31N	10E
14D3	I	Kit Carson Pasture	4	27N	16E
14C5M	I	Lolo Pass	16	38N	15E
15B14AS	I	Lost Lake	16	43N	4E
15D15p	I	Lower Horse Creek	28	31N	9E
16D7	I	Lower Snowhaven	9	29N	3E
16C8	I	McCann	25	33N	3W
15D16p	I	Meadow Creek Guard Station	5	29N	10E
15D17a	I	Meadow Creek Lookout	25	29N	11E
16C12M	I	Midway	14	35N	2E
15D18ps	I	Mill Site	22	28N	11E
15D6AP	I	Mountain Meadows	9	27N	10E
14D1	M	Nez Perce Pass	25	1S	24W
15D4R	I	Orogrande Mountain	24	27N	6E
15C5	I	Pierce Ranger Station	2	36N	5E
14C6	I	Powell Ranger Station	33	37N	14E
15D19p	I	Red River Ranger Station	4	27N	9E
15D20a	I	Sable Hill	14	29N	10E
14C4	I	Savage Pass	18	36N	15E
15C4A	I	Shanghai Summit	7	37N	6E
15C13p	I	Slim's Camp	11	31N	9E
16C10	I	Sweeney	1	32N	3W
16D4	I	Upper Snowhaven	8 & 9	29N	3E
SALMON RIVER					
13E19MA	I	Above Gilmore	13	13N	26E
13E21A	I	Aspen-Hall Pass	6	16N	28E
15E2	I	Big Creek Summit	24	15N	5E
13E8a	I	Borah	21	10N	23E
16D6	I	Brundage Mountain	6	19N	3E
16D2	I	Chapman Creek	16	29N	2E
13E17A	I	Copes Camp	36	18N	22E
13E25a	I	Doublespring Pass	3	10N	22E
13D17a	I	Gertson Creek	22	22N	23E
13D2	M	Gibbons Pass	4	2S	19W
13D9	M	Gold Stone	11	8S	16W
13E20A	I	Hall Creek	1	16N	27E
16D3	I	Johns Creek	9	29N	2E
14E6a	I	Keystone	15	13N	18E
13E24ap	I	Leatherman Pass	20	9N	23E
13E1	M	Lemhi Pass	9	10S	15W
13E23	M	Lemhi Ridge	4	10S	15W
13E18MA	I	Meadow Lake	24	13N	26E
14E1MAP	I	Mill Creek Summit	8	13N	17E
13D16	I	Moose Creek	22 & 26	27N	21E
14E4	I	Morgan Creek	32	18N	19E
14E2	I	Redfish Lake	3	9N	13E
13E16A	I	Schwartz Lake	34	18N	22E
13E2	M	Trail Creek	15	10S	15W
14E3a	I	Twin Peaks	28	15N	17E
14F4AP	I	Vienna Mine	32	6N	14E
16D5	I	Whitebird Summit	17	29N	2E
14D4	I	Williams Creek Summit	34	21N	20E

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	1/30	13	1.8	5.0	5.1
Benton Spring	4900	1/31	38	11.5	18.0	14.0
#Mosquito Ridge (SP)	5110	1/31	--	14.5	29.0	--
Schweitzer Bowl	4500	1/30	61	17.2	28.8	--
Schweitzer Ridge	6100	1/30	83	26.3	40.0	--
HAYDEN LAKE						
Chilco Ridge	3650	1/29	5	1.0	--	--
Conie Creek Ridge	3900	1/29	5	0.6	--	--
Corner Creek	3150	1/29	7	0.8	--	--
Sage Creek Saddle	4100	1/29	24	6.0	--	--
Ulrich Creek	2800	1/29	0	0.0	--	--
SPOKANE RIVER						
Above Burke	4100	1/31	30	9.2	--	--
Above Burke (SP)	4100	1/31	--	8.4	18.6	--
Copper Ridge	4800	1/30	30	9.2	--	--
Fourth of July Summit	3100	1/30	7	0.6	12.2	6.4*
Lookout	5250	1/31	53	16.7	39.3	25.0
Lower Sands Creek	3400	1/30	23	5.6	--	--
Mosquito Ridge (SP)	5110	1/31	--	14.5	29.0	--
Sherwin	3200	1/30	15	4.4	18.1	10.4*
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	1/30	5	1.4	13.9	5.9*
East Twin	4050	1/30	7	1.8	17.8	10.5*
Howard Creek	3450	1/30	3	0.8	10.4	4.8*
Moscow Mountain	4400	1/30	16	4.0	21.6	12.2*
West Twin	4250	1/30	7	1.9	17.3	8.4*
CLEARWATER RIVER						
Anderson Butte (A)	6800	2/1	69	22.1	--	--
Anderson Ridge (A)	5400	2/1	27	8.1	--	--
Buck Meadows	5600	1/30	45	14.0	--	--
Cayuse Airstrip	3700	1/29	13	2.7	17.0	7.6*
Coolwater Mountain (R)	6200	2/1	--	15.0	31.5	--
Coolwater Mountain (SP)	6200	2/1	--	10.8	28.1	--
Cottonwood Butte	5140	1/30	20	5.0	17.0	--
Crater Meadows	6100	1/29	68	20.6	46.6	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average 6
Crooked Fork	3600	1/29	21	5.6	17.4	--
Disgrace Butte (A)	6600	2/1	51	16.3	--	--
Elk Mountain	7500	2/1	80	30.0	--	--
Fish Lake Airstrip	5000	1/29	64	19.7	41.3	25.1*
Forest	4550	2/2	0	0.0	12.0	5.3*
Hemlock Butte	5500	1/29	79	24.6	53.6	34.2*
Hemlock Butte (SP)	5500	1/29	--	21.7	56.9	--
#Hoodoo Basin Mont.	6000	1/30	85	28.8	52.2	--
#Hoodoo Basin (SP) Mont.	6000	2/1	--	27.1	50.8	--
#Hoodoo Creek Mont.	5900	1/30	81	26.4	51.5	--
Horse Creek #1 (A)	5500	1/30	39	11.7	--	--
Horse Creek #2 (A)	5100	1/30	36	10.1	--	--
Horse Creek #3 (A)	5100	1/30	37	9.6	--	--
Horse Creek Helispot	4100	1/30	19	4.7	--	--
Lolo Pass	5250	1/29	51	16.5	33.2	--
Lower Snowhaven	5250	1/30	28	6.7	21.7	--
McCann	4300	2/2	0	0.0	9.0	5.1*
Meadow Creek Lookout (A)	7000	2/1	51	15.3	--	--
Mill Site (SP)	6700	2/1	51	15.7	--	--
Mountain Meadows	6300	2/1	42	12.0	21.1	--
Orogrande Mountain (R)	7800	2/1	--	16.7	36.4	--
Pierce Ranger Station	3170	2/5	16	3.1	15.6	8.5
Powell Ranger Station	3410	1/29	18	5.0	16.0	--
Savage Pass	6160	1/29	52	14.9	26.7	--
Savage Pass (New)	6160	1/29	51	14.9	--	--
Shanghai Summit	4600	1/29	33	9.1	27.0	--
Sweeney	4435	2/2	0	0.0	8.0	5.0*
Upper Snowhaven	5600	1/30	28	7.7	22.8	--
SALMON RIVER						
Big Creek Summit	6600	1/29	70	20.9	33.5	23.2
#Boulder Creek	5500	1/30	48	15.0	25.0	15.9*
Brundage Mountain	7560	1/29	91	26.1	42.4	--
Chapman Creek	4215	1/31	4	0.4	6.1	2.8*
#Deadwood Summit	7000	2/2	98	31.2	38.0	28.8*
#Deadwood Summit (SP)	7000	2/2	--	31.5	38.1	--
#Galena Summit	8795	1/30	47	12.7	23.2	15.3
#Gibbons Pass Mont.	7100	1/31	50	12.8	21.3	14.4
Johns Creek	3805	1/31	3	0.3	3.0	2.0*
Mill Creek Summit	8870	1/31	45	11.2	21.0	--
Moose Creek	6200	1/31	40	9.9	16.6	10.9
Morgan Creek	7580	1/31	32	6.9	13.8	11.1*
Redfish Lake	6600	2/1	18	3.3	--	--
#Rock Flat Summit	5200	1/29	35	8.6	16.9	11.7
#Secesh Summit	6600	1/30	77	22.5	32.1	--
#Squaw Meadow	5800	1/30	73	22.1	30.5	--
Vienna Mine	8900	2/2	63	19.6	34.0	--
Whitebird Summit	4390	1/31	10	1.9	10.0	4.8*

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USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
Lemhi River						
Above Gilmore	8200	1/29	20	3.9	10.7	--
Aspen-Hall Pass	8110	1/29	26	5.4	8.8	--
Copes Camp	7500	1/30	23	4.0	8.3	--
Hall Creek	7560	1/29	17	3.1	8.0	--
Meadow Lake	9100	1/29	34	8.6	18.6	--
Schwartz Lake	8500	1/30	28	5.5	12.1	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	1/30	10.4	10.2	10.4
Lookout	5250	48	11.0	1/31	7.8	6.8	8.5
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	1/31	3.3	4.6	5.5
Lemhi River							
Above Gilmore	8200	60	5.4	1/29	3.4	4.0	2.8
Meadow Lake	9100	48	4.4	1/29	1.8	2.4	2.4

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USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]
MIDDLE SNAKE RIVER BASIN - Northside						
LITTLE LOST RIVER						
Fairview Guard Station	6750	1/29	17	2.5	5.8	3.2*
Lost Garfield	6600	1/29	15	2.2	5.3	2.6*
Moonshine	7450	1/29	28	5.6	10.9	8.3*
Sawmill Canyon	6900	1/29	22	4.1	8.5	5.8*
Wet Creek Summit	7600	1/30	26	6.2	12.8	7.8*
BIG LOST RIVER						
Bear Canyon	7920	2/1	39	9.3	13.0	--
Copper Basin	7650	2/1	18	3.7	6.3	--
Iron Bog	7650	1/31	35	7.7	12.4	8.0*
Leadbelt	6800	1/31	24	4.0	7.7	6.2*
Stickney Mill	7500	2/1	23	4.8	--	--
White Knob	7700	2/1	29	7.1	11.8	5.1*
LITTLE WOOD RIVER						
#Bear Canyon	7920	2/1	39	9.3	13.0	--
Garfield Ranger Station	6554	1/26	29	5.8	8.5	7.0*
Muldoon	6300	1/26	26	5.4	6.3	5.5*
Swede Peak	7650	1/26	43	9.5	13.1	10.4*
BIG WOOD RIVER						
Camas Creeks Divide	5720	1/31	28	6.9	11.4	--
#Couch Summit	6950	1/29	39	9.9	16.5	10.9*
Galena	7300	1/30	42	10.0	18.8	13.3
Galena Summit	8795	1/30	47	12.7	23.2	15.3
Graham Ranch	6200	1/30	33	7.6	11.6	9.3
Mascot Mine	7900	1/31	30	7.1	10.4	--
Mount Baldy	9000	2/1	43	10.1	17.2	13.8
Soldier Ranger Station	6100	1/29	27	6.9	13.8	8.4*
#Vienna Mine	8900	2/2	63	19.6	34.0	--
CANYON CREEK						
Bennett Mountain	6650	1/31	36	10.0	21.4	11.8*
#Camas Creeks Divide	5720	1/31	28	6.9	11.4	--
Dixie Hill	5230	1/31	6	1.1	6.3	--
Little Camas Flat	4950	1/31	21	5.6	9.2	--
BOISE RIVER						
Atlanta Summit	7500	2/2	66	19.0	32.5	20.7*
Bad Bear	5500	1/29	27	6.6	21.1	9.9*

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USDA-SCS-PORTLAND, OREG. 1971

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LITTLE LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

BIG LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2A	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

BIG WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

LITTLE WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500

FISH CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

BOISE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710

CANYON CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550

PAYETTE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

WEISER RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230

MANN CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
#Bennett Mountain	6650	1/31	36	10.0	21.4	11.8*
#Bogus Basin	6120	1/31	40	11.7	31.3	14.9
Bogus Basin Road	5360	1/31	T	T	13.5	4.8*
#Camas Creeks Divide	5720	1/31	28	6.9	11.4	--
Couch Summit	6950	1/29	39	9.9	16.5	10.9*
#Dixie Hill	5230	1/31	6	1.1	6.3	--
Jackson Peak	7000	2/1	70	20.6	32.1	20.3*
#Little Camas Flat	4950	1/31	21	5.6	9.2	--
Moores Creek Summit	6100	1/29	61	19.0	37.4	20.9
Prairie	4900	1/28	8	2.0	11.1	4.7
#Soldier Ranger Station	6100	1/29	27	6.9	13.8	8.4*
Trinity Mountain	7780	2/2	78	24.7	39.7	26.4*
#Vienna Mine	8900	2/2	63	19.6	34.0	--
PAYETTE RIVER						
#Big Creek Summit	6600	1/29	70	20.9	33.5	23.2
Bogus Basin	6120	1/31	40	11.7	31.3	14.9
#Brundage Mountain	7560	1/29	91	26.1	42.4	--
Cozy Cove	5900	1/29	34	9.0	16.7	10.7
Crawford Ranger Station	4800	1/29	12	2.5	9.4	5.6*
Deadwood Airstrip	5440	1/29	31	7.7	16.6	10.3*
Deadwood Dam	5290	1/29	33	8.5	16.5	11.0
Deadwood Summit	7000	2/2	98	31.2	38.0	28.8*
Deadwood Summit (SP)	7000	2/2	--	31.5	38.1	--
#Jackson Peak	7000	2/1	70	20.6	32.1	20.3*
Lake Fork	6000	1/31	38	8.9	14.6	--
Rock Flat Summit	5200	1/29	35	8.6	16.9	11.7
Secesh Summit	6600	1/30	77	22.5	32.1	--
Squaw Meadow	5800	1/30	73	22.1	30.5	--
WEISER RIVER						
Boulder Creek	5500	1/30	48	15.0	25.0	15.9*
MANN CREEK						
Mann Creek	5980	1/29	53	16.7	--	--
Robinson Creek Ridge	6220	1/29	45	15.7	--	--
Sturgill Ridge	6680	1/29	62	20.7	--	--
Thorson Cabin	5320	1/29	27	9.1	--	--

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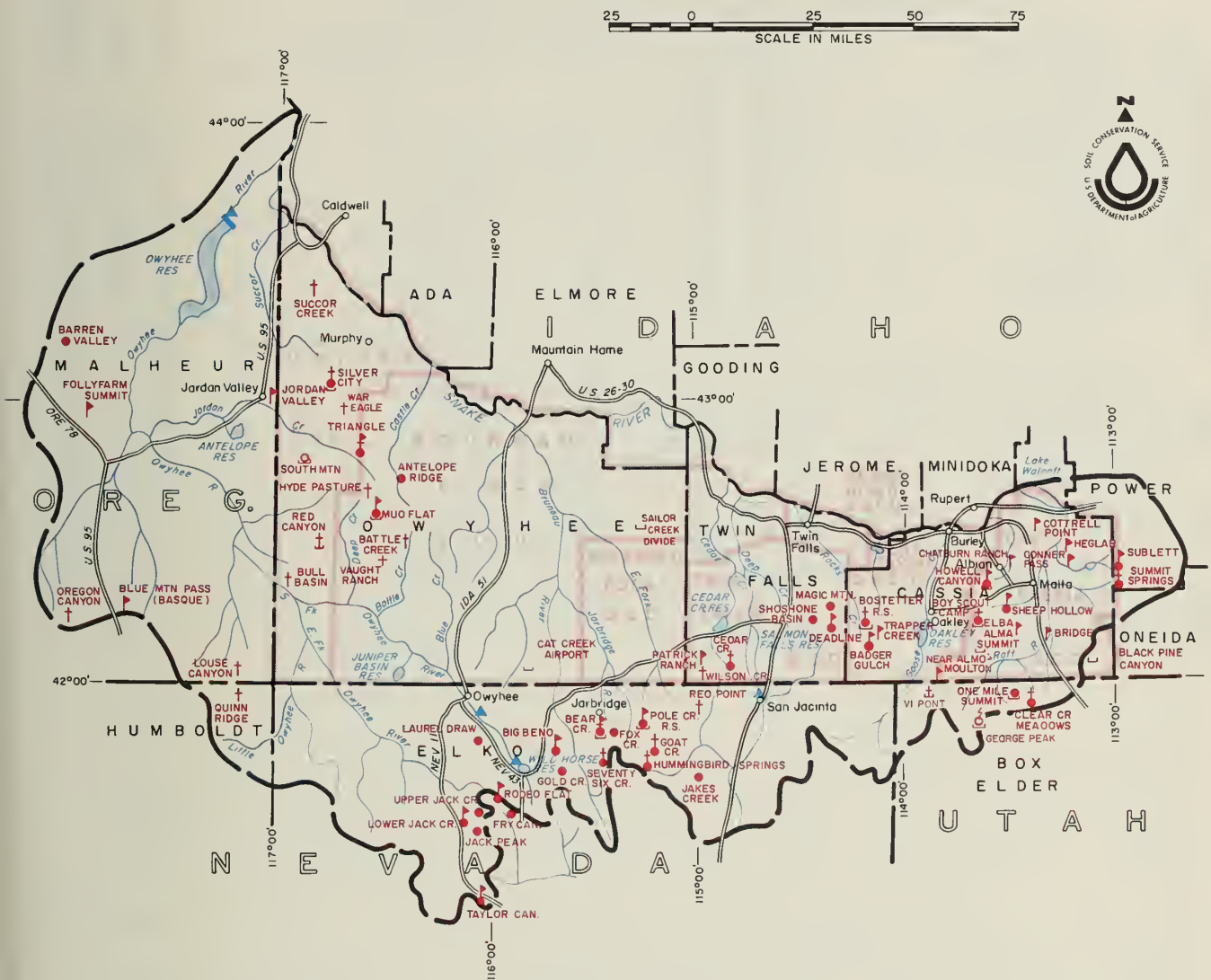
USDA SCS-PORTLAND, OREG. 1971

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	1/29	7.2	8.0	--
Wet Creek Summit	8175	48	17.1	1/30	12.8	13.7	13.2
BIG WOOD RIVER							
Galena	7300	48	10.1	1/30	5.0	5.7	7.0
Galena Summit	8795	48	5.8	1/30	Frozen	Frozen	Frozen

MIDDLE SNAKE RIVER BASIN
SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

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MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
13G15p	I	Black Pine Canyon	28	15S	29E	7100
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13G11m	I	Bridge	7	15S	27E	4750
13G13m	I	Chatburn Ranch	4	12S	25E	4700
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13G6m	I	Conner Pass	35	12S	25E	5700
13G7m	I	Cottrell Point	24	10S	25E	4490
13G10m	I	Elba-Almo Summit	29	14S	25E	5690
13H4sp	U	George Peak	4	13N	14W	9000
13G8m	I	Heglar	19	11S	28E	4590
13G1MP	I	Howell Canyon	2	13S	24E	8000
13G12m	I	Moulton	27	16S	23E	5950
13G14p	I	Near Almo	35	15S	24E	5200
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	6400

GOOSE - TRAPPER CREEK

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
14G7m	I	Trapper Creek	2	15S	20E	5300
13H3ap	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
14G5A	I	Cedar Creek	25	15S	13E	000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14H1	N	Jakes Creek	6	42N	62E	7000
14G2	I	Magic Mountain	14	14S	18E	6700
15G1m	I	Patrick Ranch	23	15S	12E	5720
15H18a	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2a	I	Wilson Creek	24	16S	12E	7500

BRUNEAU RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
15H1MAP	N	Bear Creek	31	46N	58E	7800
15G3p	I	Cat Creek Airport	9	16S	6E	5700
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8945
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330
15G4p	I	Sailor Creek Divide	21	10S	10E	4350

OWYHEE RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	17S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
17G2m	O	Blue Mountain Pass (Basque)	4	38S	42E	5290
16G10a	I	Bull Basin	19	12S	5W	5600
18G3m	O	Folly Farm Summit	8	30S	38E	4450
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE¼ 31	8S	2W	5800
16H4	N	Jacks Peak	28	42N	53E	8420
17G3m	O	Jordan Valley	2	30S	46E	4390
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4MA	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

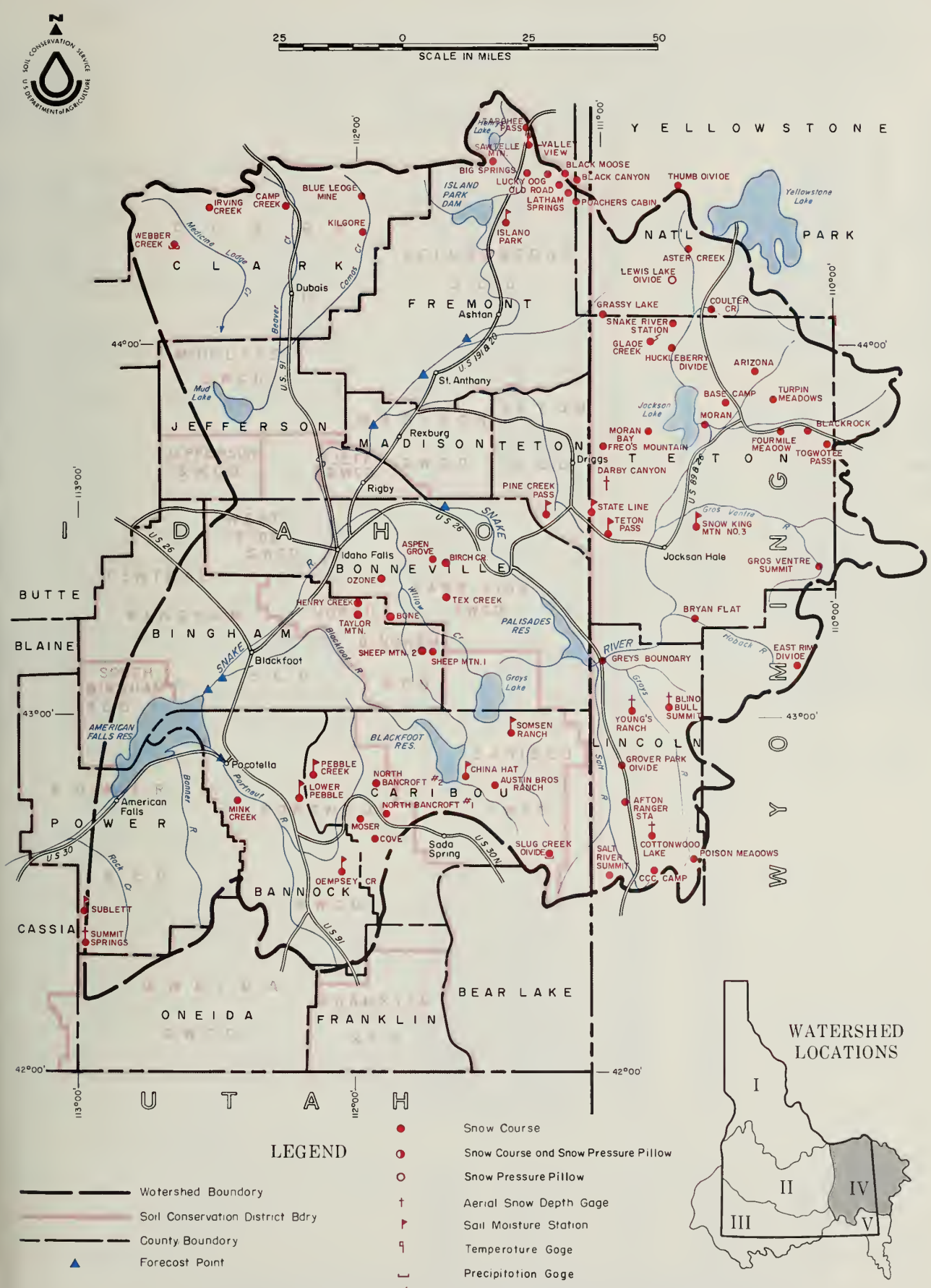
DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Howell Canyon	8000	1/30	49	16.3	35.9	15.0*
Sublett	6000	1/30	27	6.8	15.4	6.2*
GOOSE CREEK						
Badger Gulch	6660	1/31	25	6.5	17.6	6.2*
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	1/27	48	15.2	20.4	11.3*
Cedar Creek (A)	7000	1/27	27	8.1	12.9	6.5*
Deadline	6900	1/29	53	17.4	34.0	13.8*
Goat Creek Nev.	8800	1/29	45	13.8	16.4	10.3*
#Hummingbird Springs (A) Nev.	8945	1/27	51	16.1	32.2	11.1*
Magic Mountain	6700	1/29	45	13.9	26.0	10.8*
#Pole Creek R. S. Nev.	8330	1/29	47	14.4	20.4	10.8*
Red Point (A) Nev.	7940	1/27	18	4.5	8.6	6.2*
Shoshone Basin	5740	1/29	20	5.0	11.0	3.1*
Wilson Creek (A)	7500	1/27	35	10.5	14.4	--
BRUNEAU RIVER						
Bear Creek (A) Nev.	7800	1/27	48	15.2	20.4	11.3*
Hummingbird Springs (A) Nev.	8945	1/27	51	16.1	32.2	11.1*
Pole Creek R. S. Nev.	8330	1/29	47	14.4	20.4	10.8*
#Seventy-six Creek (A) Nev.	7100	1/27	36	10.1	17.7	6.1*
OWYHEE RIVER						
Antelope Ridge	5900	1/30	18	3.7	13.4	3.4*
Battle Creek (A)	5700	1/27	12	2.7	5.9	--
#Bear Creek (A) Nev.	7800	1/27	48	15.2	20.4	11.3*
Bull Basin (A)	5600	1/27	8	1.8	1.2	--
Hyde Pasture (A)	5800	1/27	12	2.7	9.2	--
Mud Flat	5500	1/30	19	4.0	8.2	3.4*
Red Canyon (A)	6650	1/27	21	5.5	8.4	--
#Seventy-six Creek (A) Nev.	7100	1/27	36	10.1	17.7	6.1*
Silver City	6400	1/31	27	6.7	20.7	9.2*
South Mountain	6340	1/26	24	6.4	17.0	7.3
South Mountain (SP)	6340	1/26	--	6.2	--	--
Succor Creek (A)	6100	1/27	12	2.7	7.8	--
Triangle (A)	5150	1/27	4	0.8	2.4	--
Vaught Ranch (A)	5950	1/27	21	5.5	5.9	--
War Eagle (A)	7700	1/27	60	16.8	20.7	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Howell Canyon	8000	48	11.5	1/30	8.8	6.9	9.2
Sublett	6000	36	7.0	1/30	4.6	5.4	6.1
GOOSE CREEK							
Badger Gulch	6660	36	7.0	1/31	6.0	6.4	6.9
SALMON FALLS CREEK							
Patrick Ranch	5720	36	7.0	1/29	5.3	6.7	6.8
Pole Creek R. S.	8330	48	9.7	1/29	7.9	8.0	6.9
OWYHEE RIVER							
Mud Flat	5500	36	10.0	1/30	9.4	10.6	10.9

UPPER SNAKE RIVER BASIN



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INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
UPPER SNAKE RIVER BASIN						
SNAKE RIVER - WYOMING						
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530
HENRYS FORK RIVER						
11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E15	I	Old Road	12	13N	44E	7250
11E17	I	Poacher's Cabin	11	13N	45E	8000
11E32	I	Sawtelle Mountain	7	14N	43E	8715
11E34	I	Tsrghee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500
TETON RIVER						
10F21a	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8000
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6400
10F13M	Wy	Teton Pass	24	41N	118W	8500
CAMAS - BEAVER CREEK						
11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200
MEDICINE LODGE CREEK						
12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700
WILLOW CREEK						
11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F8	I	Bone	29	1S	40E	6200
11F4	I	Ozone	14	1N	39E	5800
11F9	I	Sheep Mountain I	33	2S	41E	6450
11F11	I	Sheep Mountain II	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700
SAND CREEK						
11F6	I	Henry Creek	7	1S	39E	5650
11F7	I	Taylor Mountain	19	1S	39E	6500
BLACKFOOT RIVER						
11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G2M	I	China Hat	17	7S	42E	6300
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000
PORTNEUF RIVER						
11G25	I	Cove	21	9S	39E	5525
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
11G24	I	Moser	20	8S	39E	5950
11G23	I	North Bancroft #1	15	8S	39E	5460
11G22	I	North Bancroft #2	27	7S	39E	5430
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average (b)
	Elevation					
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	2/1	27	6.0	9.3	6.3
Kilgore	6200	1/30	30	7.5	10.5	6.2
MEDICINE LODGE CREEK						
Irving Creek	7035	1/31	20	3.5	5.6	3.5*
Webber Creek	6700	1/31	19	3.1	6.3	3.2*
HENRYS FORK RIVER						
Big Springs	6500	1/30	42	11.8	20.7	13.1
Big Springs (New)	6500	1/30	45	11.1	--	--
Black Canyon	7850	1/26	62	18.8	32.2	23.1*
Black Canyon (New)	7850	1/26	66	19.6	--	--
Black Moose	8125	1/26	68	22.0	38.8	26.8*
Grassy Lake Wyo.	7230	1/29	64	20.1	33.1	21.9
Island Park	6315	1/30	40	8.6	15.9	10.6
Island Park (New)	6315	1/30	38	8.6	--	--
Latham Springs	7650	1/26	63	19.0	31.2	22.4*
Latham Springs (New)	7650	1/26	64	19.6	--	--
Lucky Dog	6900	1/25	54	15.2	24.0	16.8*
Lucky Dog (New)	6900	1/25	47	12.6	--	--
Sawtelle Mountain	8715	1/30	61	16.4	29.4	--
Targhee Pass	7000	1/30	33	6.0	14.1	9.4*
Valley View	6500	1/30	33	6.3	16.9	10.3
White Elephant	7700	1/30	47	11.6	--	--
TETON RIVER						
Freds Mountain Wyo.	8000	1/31	53	15.0	23.9	--
Garns Mountain	8300	2/2	71	24.0	--	--
Indian Meadows Wyo.	8400	2/2	74	22.8	--	--
Jackpine Creek Wyo.	7500	2/2	50	15.0	--	--
McRenolds Reservoir	6800	2/2	46	12.5	--	--
Miles Creek Wyo.	7350	2/2	34	9.6	--	--
Pine Creek Pass	6750	1/31	40	10.7	17.3	10.5*
State Line	6400	1/31	32	8.3	16.2	9.0
Teton Pass W.S. Wyo.	8500	2/2	52	15.2	--	--
Phillips Bench Wyo.	8200	2/2	49	14.4	--	--
WILLOW CREEK						
Aspen Grove	6600	2/2	29	7.5	15.0	--
Birch Creek	6800	2/2	24	6.9	19.4	--
Bone	6200	2/1	23	5.2	10.1	--
Ozone	5800	2/1	4	0.6	1.9	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

x

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
Sheep Mountain	6510	2/1	35	9.2	14.6	--
Tex Creek	6700	2/2	27	6.8	11.9	--
SAND CREEK						
Henry Creek	5650	2/1	11	2.1	4.5	--
Taylor Mountain	6500	2/1	25	5.8	16.5	--
BLACKFOOT RIVER						
Austin Brothers Ranch	6450	1/31	28	6.6	10.6	5.1*
Slug Creek Divide	7225	1/27	40	11.0	15.3	9.9*
Somsen Ranch	7000	1/31	37	9.0	14.2	7.5*
PORTNEUF RIVER						
Cove	5525	1/30	20	4.5	6.4	--
Dempsey Creek	6280	1/31	34	8.5	13.9	6.5*
Lower Pebble	5800	1/30	31	6.8	19.8	--
Mink Creek	6300	1/29	37	10.0	18.9	8.9*
Moser	5950	1/30	23	4.5	8.8	--
North Bancroft #1	5460	1/30	16	4.0	5.5	--
North Bancroft #2	5430	1/30	9	1.5	2.0	--
Pebble Creek	6550	1/30	35	10.2	16.7	8.6*

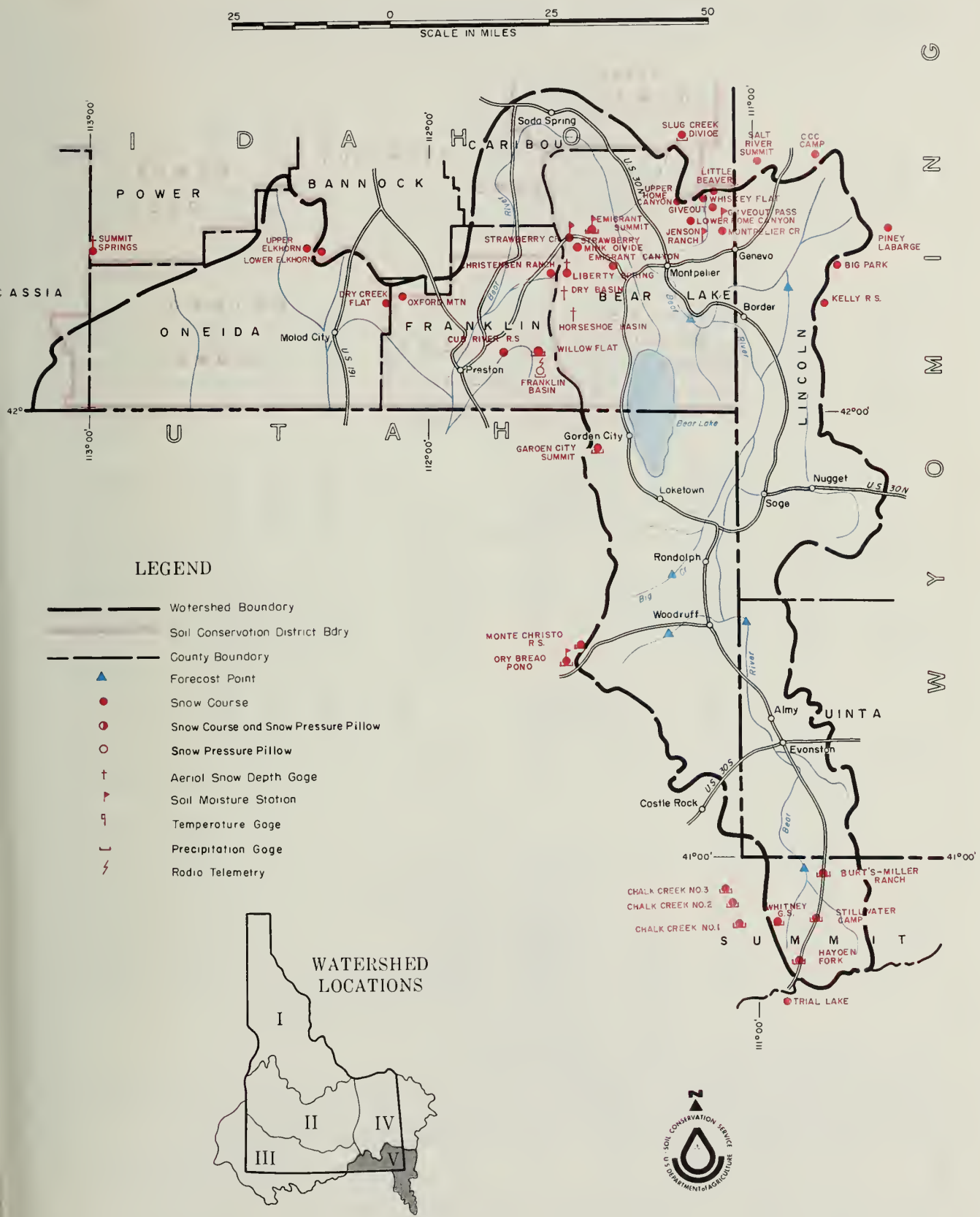
SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	1/30	8.4	8.2	8.3
Valley View	6500	48	13.3	1/30	Frozen	7.0	Frozen
TETON RIVER							
Pine Creek Pass	6750	48	13.3	1/31	11.7	11.1	11.8
State Line	6400	48	14.8	1/31	13.4	12.5	14.0
Teton Pass	8500	48	10.5	1/31	9.0	9.6	11.8
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	1/30	8.2	7.0	8.5
Pebble Creek	6550	48	7.2	1/30	5.8	6.9	5.5

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

GREAT BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.

GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

MONTPELIER CREEK

11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G4	I	Dry Creek Flat	31	13S	37E	6350
12G11	I	Lower Elkhorn	30	12S	36E	6850
12G3	I	Oxford Mountain	32	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	3750	1/29	47	13.8	24.5	14.2*
Emigration Canyon	6500	1/29	25	5.8	12.2	6.4*
Montpelier Creek						
Giveout	6840	1/26	30	6.5	15.4	7.7*
Little Beaver	6970	1/26	35	8.1	19.6	9.8*
Lower Home Canyon	7500	1/26	31	6.9	14.9	--
Montpelier Creek	6570	1/26	21	4.6	10.9	5.3*
Upper Home Canyon	8500	1/26	42	11.2	--	--
Whiskey Flat	6985	1/25	22	5.1	11.8	6.2*
Mink Creek						
Christensen Ranch	5600	1/29	29	7.5	7.7	5.6*
Dry Basin (A)	7900	1/29	48	14.1	24.2	--
#Emigrant Summit	7350	1/29	47	13.8	24.5	14.2*
Horseshoe Basin (A)	8000	1/29	49	14.4	21.0	--
Liberty Spring	8600	1/31	63	20.3	32.4	--
Strawberry Creek	5800	1/29	34	9.1	10.0	6.9*
Strawberry Mink Divide	6800	1/29	48	14.6	21.6	13.0*
Cub River						
Cub River R. S.	5400	1/30	26	6.6	6.8	5.7*
Willow Flat	6100	1/30	37	10.4	15.6	9.4*
MALAD RIVER						
Cliff Canyon	7200	1/30	23	5.9	15.2	--
Daniels Creek	6400	1/30	21	4.1	8.8	--
Dry Creek Flat	6350	1/29	32	9.8	9.9	4.5*
Lower Elkhorn	6850	1/29	32	9.3	16.5	--
Oxford Mountain	6800	1/29	29	8.0	11.6	5.6*
Upper Elkhorn	7100	1/29	41	11.6	20.2	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Montpelier Creek							
Giveout Pass	7025	36	9.4	1/26	3.6	--	--
Jenson Ranch	6580	48	18.7	1/26	6.5	7.2	7.0

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
ROOM 345
304 N. 8TH ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAR. 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Woshington St., Portlond, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia.

U. S. DEPARTMENT of AGRICULTURE — SOIL CONSERVATION SERVICE — CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY

COVER PHOTO NUMBER ORC-286-4

USDA-SCS-PORTLAND, OREG. 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

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BOISE, IDAHO

In Cooperation with

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DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR MARCH 1, 1973

Snowfall during February was below normal throughout Idaho, thus magnifying the deficiency experienced during the winter of 1972-73. Generally, snow accumulation as of March 1 ranged from a low of 54% of average on the Spokane watershed to 109% of normal on the Portneuf River drainage. Two exceptions are the Palouse watershed at 13% of average and the Malad River drainage at 148% of normal. The high figure on the Malad should be discounted somewhat in that only one course measured extremely high and is probably not indicative of the whole watershed. The snowpack on major watersheds south of the Snake River continue slightly above normal while the northern tributaries range from below to well below average. Northern Idaho watershed snowpack, from the Clearwater north, vary from well below normal to critically low.

Soil moisture under the snowpack remains below normal while soils at lower elevations are beginning to dry due to below average precipitation during February. Fall and winter valley precipitation, as reported by selected stations, indicate below normal precipitation throughout the state, except for the Snake River Plain and the Owyhee which are close to average.

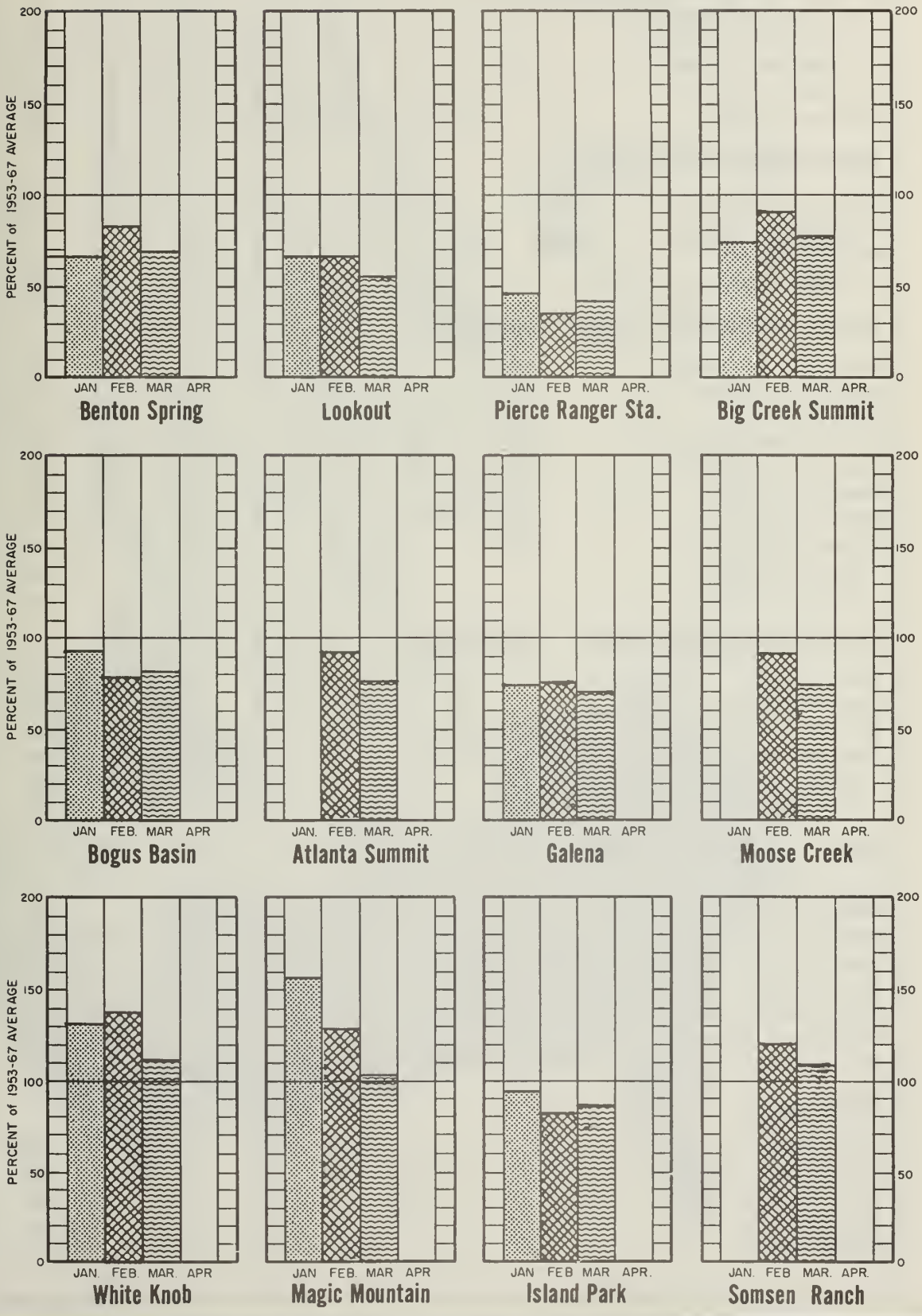
Reservoir storage remains good to excellent in all major irrigation reservoirs. Contents in Oakley and Salmon Falls Reservoirs remain at record level.

Forecasts of prospective streamflow at Idaho gaging stations for the April-September period range from a low of 56% of average for the Spokane at Post Falls to 100% of normal for the Bruneau River near Hot Springs. One exception is the Bear River at Harer which is forecast at 113% of average.

Water supplies for the coming irrigation season is expected to be good on all streams with adequate storage facilities. Shortages may be expected on watersheds with little or no storage, with critical shortages on smaller, low elevation streams. Climatic conditions during the spring months will have a dramatic effect on water supplies, irrigation needs, and dry farm success throughout the state.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1953-67 15 Yr. Average

MARCH 1, 1973



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	19	47	74
Pend Oreille River	78	43	69
Clark Fork River	49	41	66
Flathead River	29	47	73
Priest River	2-4	61	64
Spokane River	8-10	35	54
LOWER SNAKE RIVER BASIN			
Palouse River	5	7	13
Clearwater River	18-21	38	60
Salmon River	20-27	51	73
Lemhi River	4-6	45	61
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	51	74
Big Lost River	6	61	76
Fish Creek	2-3	89	104
Little Wood River	4-5	79	88
Big Wood River	9-10	55	68
Canyon Creek	1-6	56	86
Boise River	13	47	78
Payette River	13	57	81
Weiser River	2-4	53	91
Mann Creek	3	69	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	60	107
Goose-Trapper Creeks	2-3	48	97
Salmon Falls Creek	10-11	56	104
Bruneau River	5	62	108
Owyhee River - Idaho & Nevada	5	60	105
Jordan Creek	4	40	75
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	22	55	80
Camas-Beaver Creeks	2	82	107
Medicine Lodge Creek	2	60	93
Henrys Fork River	9-10	62	87
Teton River	2-3	63	90
Willow-Sand Creeks	8	57	--
Blackfoot River	3	67	108
Portneuf River	3-8	64	109
GREAT BASIN			
Bear River	13	--	89
Montpelier Creek	4-6	48	82
Mink Creek	4-5	69	104
Cub River	2	74	94
Malad River	2-6	70	148

SNOW WATER DEPTHS

As percent of 1953-67 15 year average

MARCH 1, 1973

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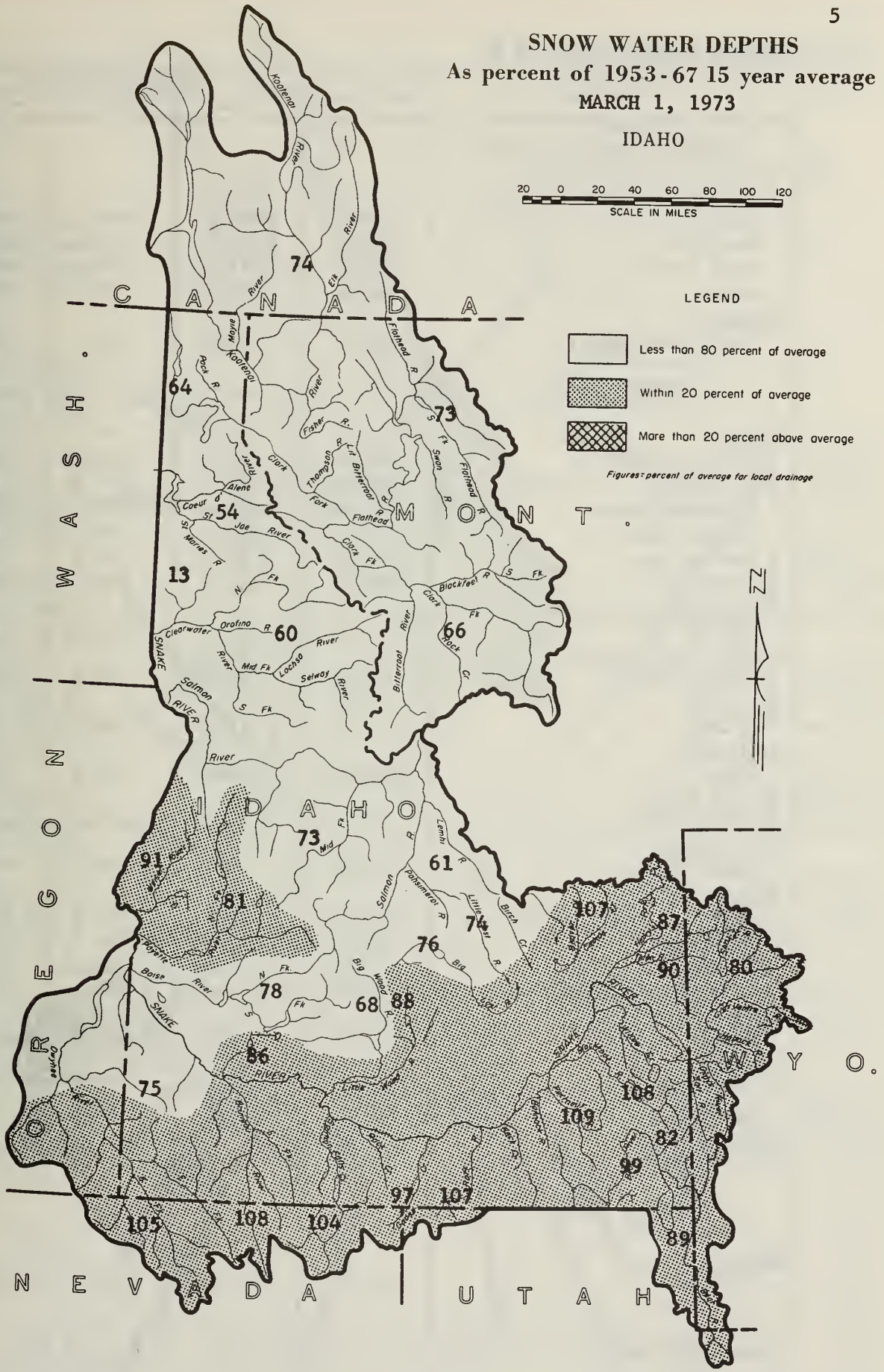


U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

RESERVOIR STORAGE (1,000 Ac. Ft.)

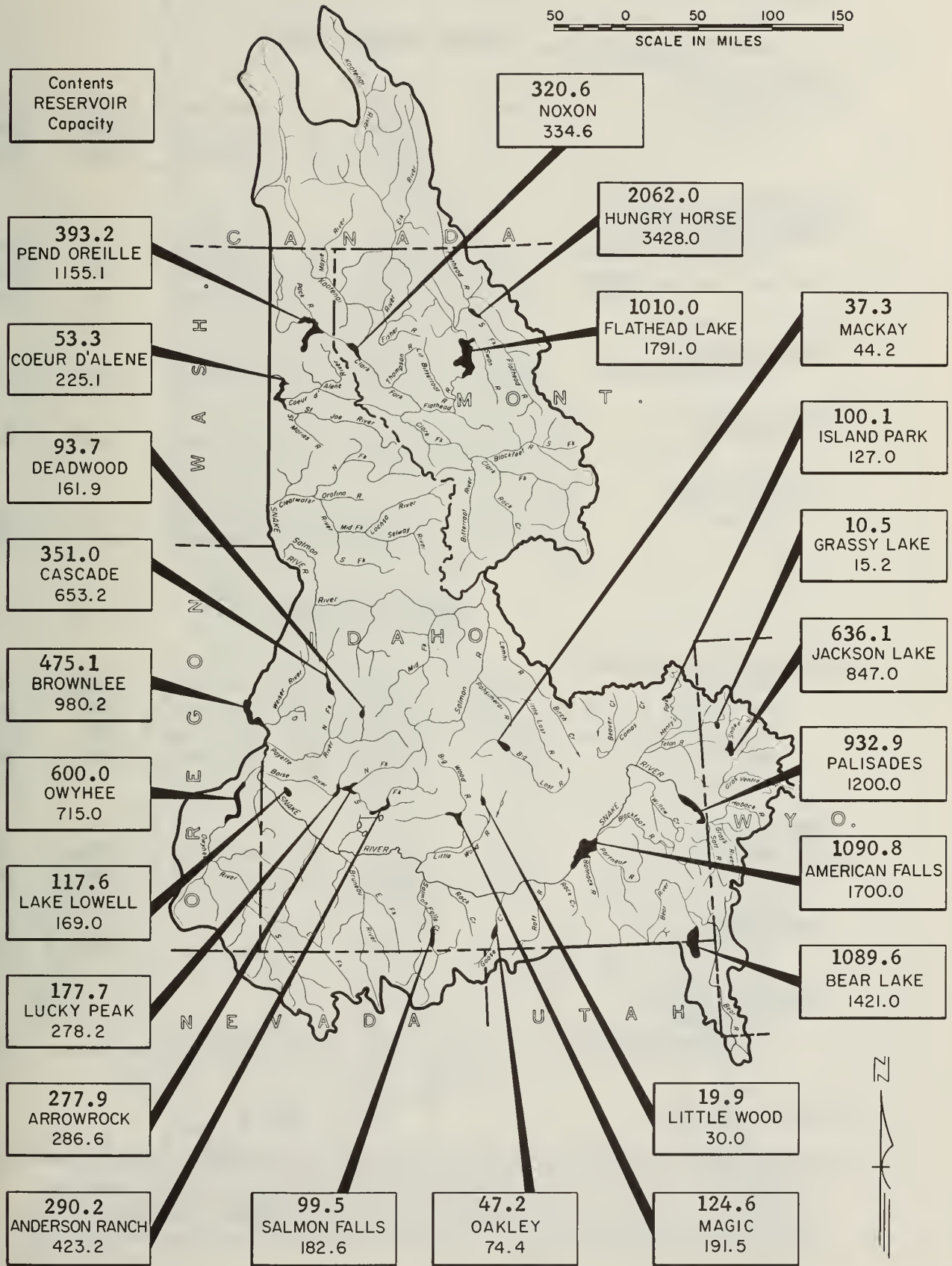
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2062.0	1702.0	2269.0*
Flathead	1791.0	1010.0	911.0	963.0
Pend Oreille	1155.1	393.2	204.0	508.6
Noxon	334.6	320.6	295.0	293.4*
Spokane				
Coeur d'Alene	225.1	53.3	248.0	136.2
SNAKE BASIN				
Snake				
Jackson Lake	847.0	636.1	630.4	440.8
Palisades	1200.0	932.9	875.3	711.4*
American Falls	1700.0	1090.8	1276.2	1431.6
Island Park	127.0	100.1	104.9	113.2
Grassy Lake	15.2	10.5	14.2	10.8
Brownlee	980.2	475.1	604.6	400.4*
Goose-Trapper Creeks				
Oakley	74.4	47.2	45.0	16.8
Salmon Falls Creek				
Salmon Falls	182.6	99.5	89.0	27.4
Big Lost				
Mackay	44.2	37.3	28.0	31.3
Big Wood				
Magic	191.5	124.6	159.6	102.5
Little Wood				
Little Wood	30.0	19.9	20.2	13.1*
Fish Creek				
Carey Valley	14.4	4.1	8.5	--
Boise				
Anderson Ranch	423.2	290.2	225.0	213.9
Arrowrock	286.6	277.9	196.8	252.6
Lucky Peak	278.2	177.7	58.1	106.6*
Lake Lowell (Deer Flat)	169.0	117.6	130.7	127.9
Owyhee				
Owyhee	715.0	600.0	621.2	411.8
Payette				
Cascade	653.2	351.0	291.1	274.2
Deadwood	161.9	93.7	84.9	74.0
Weiser				
Mann Creek	11.1	5.5	4.7	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1089.6	1081.3	871.4

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MARCH 1, 1973



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	7750	84	Apr-Sep	11041	9198
		6800	84	Apr-Jul	9703	8072
		5500	85	Apr-Jun	7798	6463
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	10100	72	Apr-Sep	--	13987
		9200	72	Apr-Jul	--	12787
		7800	71	Apr-Jun	--	10953
Priest River						
Priest River 1/	(nr)	550	60	Apr-Jul	--	914
SPOKANE RIVER						
Post Falls 2/	(at)	1750	56	Apr-Sep	--	3140
St. Joe River						
Calder	(at)	750	55	Apr-Sep	--	1359
		710	55	Apr-Jul	--	1291
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	711	84	Apr-Sep	1131	846
Palisades Inflow 3/		3100	89	Apr-Sep	5068	3500
Heise 4/	(nr)	3250	87	Apr-Sep	5309	3743
Blackfoot 5/	(nr)	3400	88	Apr-Jul	6140	3871
Weiser	(at)	4450	70	Apr-Sep	--	6306
Henrys Fork						
Ashton 6/	(nr)	550	90	Apr-Sep	820	609
Rexburg 7/	(nr)	1155	94	Apr-Sep	1809	1229
Teton River						
St. Anthony	(nr)	365	93	Apr-Sep	568	394
Blackfoot River						
Blackfoot Reservoir Inflow		100	98	Apr-Sep	--	102*

*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1953-1967 period.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MARCH 1, 1973

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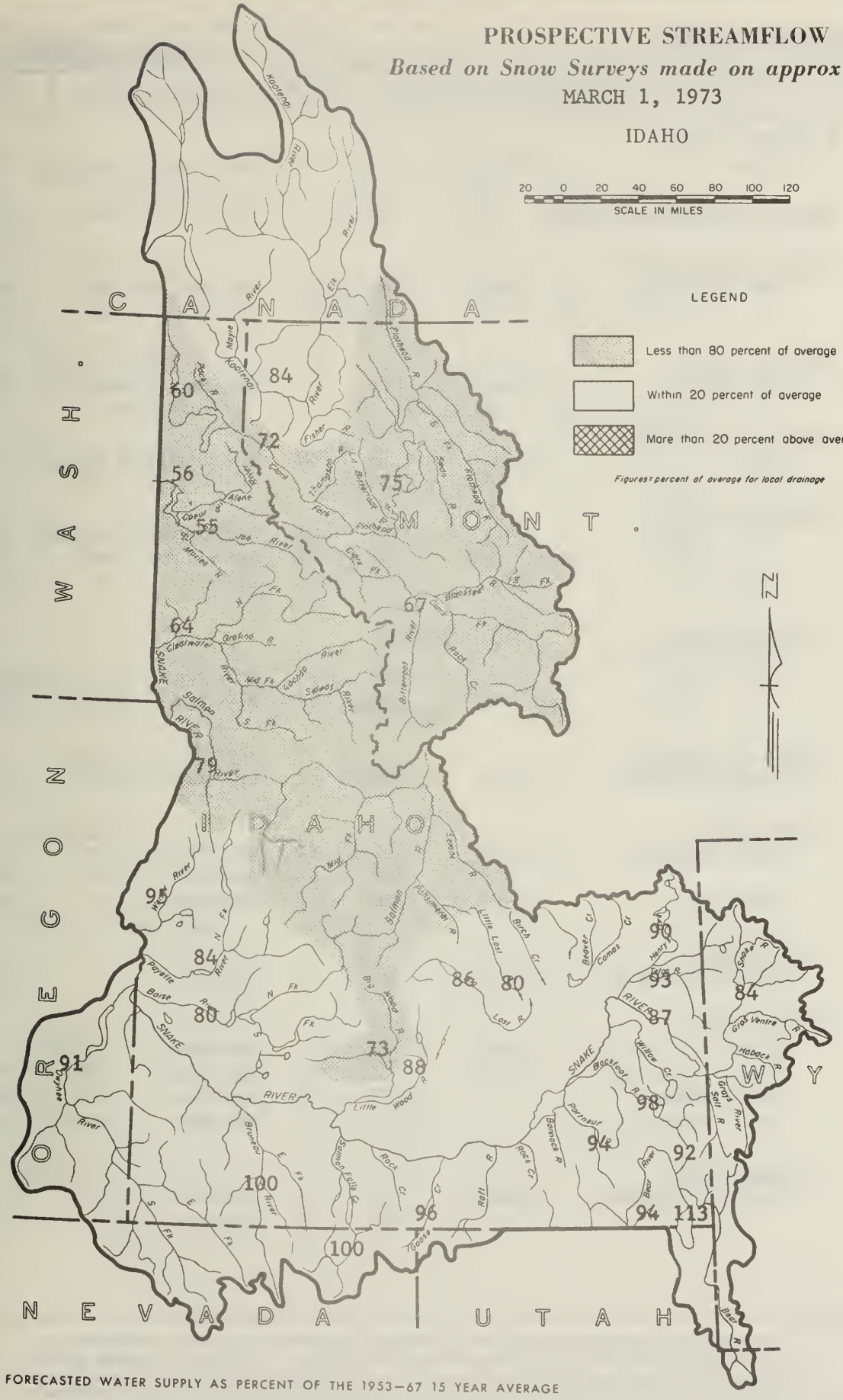

FORECASTED WATER SUPPLY AS PERCENT OF THE 1953—67 15 YEAR AVERAGE

U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
Portneuf River						
Topaz	(at)	75	94	Mar-Sep	--	79.4
Oakley Reservoir Inflow		24	96	Mar-Sep	--	24.9
Salmon Falls Creek						
San Jacinto	(nr)	70	100	Mar-Sep	--	69.7
		67	100	Mar-Jul	--	66.5
Bruneau River						
Hot Springs	(nr)	190	100	Mar-Sep	--	191
Little Lost River						
Howe	(nr)	30	80	Mar-Sep	--	37.8
Big Lost River						
Howell Ranch	(at)	165	84	Apr-Sep	--	196
		115	84	Apr-Jun	--	137
Mackay 1/	(nr)	145	86	Apr-Sep	--	168
Big Wood River						
Magic Reservoir Inflow 2/		190	73	Apr-Sep	--	262
		200	75	Mar-Jul	--	268
Little Wood River						
High Five Creek	(ab)	70	88	Apr-Sep	--	80
Boise River						
Twin Springs	(nr)	600	84	Apr-Sep	--	718
		560	84	Apr-Jul	--	666
Boise 3/	(nr)	1250	80	Apr-Sep	--	1556
South Fork						
Anderson Dam 4/	(at)	450	78	Apr-Sep	--	577
Owyhee River						
Gold Cr., Nev. 5/	(nr)	19	119	Apr-Jul	23	16.1
Owyhee, Nev. 5/	(nr)	60	100	Apr-Jul	86	60
Lake Owyhee net inflow 6/		273	91	Apr-Sep	504	300
		323	88	Mar-Jul	905	369
Jordan Creek						
Lone Tree Creek	(ab)	67	79	Apr-Jul	--	85
		67	79	Apr-Sep	--	85

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

† 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
Payette River						
Horseshoe Bend 1/	(nr)	1550	84	Apr-Sep	--	1839
Banks 2/	(nr)	820	83	Apr-Jul	--	984
North Fork						
Cascade 3/	(at)	465	84	Apr-Sep	--	553
Banks 3/	(nr)	595	83	Apr-Sep	--	718
Weiser River						
Weiser ab. Crane Creek 4/		480	95	Mar-Sep	--	504
Salmon River						
Whitebird	(at)	5400	79	Apr-Sep	--	6850
Clearwater River						
Spalding	(at)	5500	64	Apr-Sep	--	8578
GREAT BASIN						
BEAR RIVER						
Harer	(at)	255	113	Apr-Sep	--	226
Montpelier Creek						
Montpelier	(nr)	9.8	92	Apr-Sep	19.8	10.7
Cub River						
Preston	(nr)	45	94	Apr-Sep	--	47.8*

*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. † 1953-1967 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter Feb. 1973 Observed	Winter Feb. 1973 Departure 2/	Fall - Winter Nov. 72 - Feb. 73 Observed	Fall - Winter Nov. 72 - Feb. 73 Departure 2/
Kootenai, Canada & U.S.	1.49	-0.80	10.21	-2.00
Flathead	.53	-1.24	5.31	-3.31
Clark Fork	.20	-0.47	2.33	-1.40
Pend Oreille-Spokane	.86	-2.15	11.20	-4.28
Upper Snake	1.55	-0.34	6.78	-1.56
Snake River Plain	.53	-0.18	3.62	+0.08
Salmon-Payette-Boise	.77	-1.06	8.04	-1.33
Clearwater	1.20	-0.92	8.80	-2.31
Owyhee-Malheur	.32	-0.53	4.34	+0.06

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1953-67) drainage division average.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	2/28	102	43.7	80.3	--
Halverson Creek	4850	2/28	80	32.4	57.2	--
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	2/27	10	2.7	4.3	5.8
Benton Spring	4900	2/27	37	12.6	22.0	18.2
#Mosquito Ridge	5110	2/23	67	24.2	43.2	33.8*
#Mosquito Ridge (A)	5110	3/6	80	26.8	--	--
#Mosquito Ridge (SP)	5110	2/28	--	21.0	40.0	--
Schweitzer Bowl	4500	2/27	60	21.2	37.0	--
Schweitzer Ridge	6100	2/27	90	32.0	49.7	--
HAYDEN LAKE						
Chilco Ridge	3650	2/27	5	1.2	--	--
Conie Creek Ridge	3900	2/27	2	0.8	--	--
Corner Creek	3150	2/27	8	3.0	--	--
Sage Creek Saddle	4100	2/27	25	7.1	--	--
Ulrich Creek	2800	2/27	T	T	--	--
SPOKANE RIVER						
Above Burke	4100	3/1	29	8.6	29.2	--
Above Burke (SP)	4100	3/1	--	8.7	31.2	--
Copper Ridge	4800	2/28	30	11.1	34.2	26.0
#Forty-nine Meadows	5000	2/27	44	14.6	43.4	28.6*
Fourth of July Summit	3100	2/27	6	1.9	13.2	10.5*
Granite Peak	6000	2/26	80	26.3	--	41.8*
Kellogg Peak (A)	5560	3/6	57	18.5	42.5	28.2*
Lookout	5250	3/1	55	17.8	49.3	32.3
#Lost Lake	6000	3/3	92	30.7	--	53.6*
Lower Sands Creek	3400	2/28	24	7.4	21.1	17.8
Medicine Ridge	6150	2/27	79	25.9	--	43.6*
Mosquito Ridge	5110	2/23	67	24.2	43.2	33.8*
Mosquito Ridge (A)	5110	3/6	80	26.8	--	--
Mosquito Ridge (SP)	5110	2/28	--	21.0	40.0	--
Roland Summit (A)	5200	3/6	69	22.4	54.7	34.6*
Sherwin	3200	2/27	18	5.2	24.8	14.1*
Sherwin (SP)	3200	2/27	--	5.3	--	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	2/27	T	T	15.4	6.4*
East Twin	4050	2/27	T	T	19.2	12.3*
Howard Creek	3450	2/27	0	0.0	10.1	4.5*
Moscow Mountain	4400	2/27	21	6.6	24.3	15.7*
West Twin	4250	2/27	T	T	17.5	11.1*
CLEARWATER RIVER						
Anderson Butte (A)	6800	3/6	76	28.1	--	--
Anderson Ridge (A)	5400	3/6	32	10.6	--	--
Buck Meadows	5600	3/5	60	17.6	45.3	--
Cayuse Airstrip	3700	2/26	15	5.4	23.0	11.2
Coolwater Mountain (R)	6200	3/1	--	18.1	43.6	--
Coolwater Mountain (SP)	6200	2/28	--	13.7	39.0	--
Cottonwood Butte	5140	3/1	26	6.8	22.0	--
Crater Meadows	6100	2/26	76	26.4	65.6	39.8*
Crooked Fork	3600	2/26	23	6.3	24.2	--
Disgrace Butte (A)	6600	3/6	51	18.4	38.8	--
Elk Butte	5550	3/3	57	18.8	60.9	35.8*
Elk Mountain	7500	3/6	83	32.0	45.0	--
Falls Point (A)	4600	3/5	28	9.0	33.6	--
Fish Lake Airstrip	5000	2/26	72	22.8	61.1	36.2
Forest	4550	3/1	0	0.0	12.1	6.0*
Forty-nine Meadows	5000	2/27	44	14.6	43.4	28.6*
Goat Lake	6600	2/26	83	29.2	56.0	45.0*
#Granite Peak	6000	2/26	80	26.3	--	41.8*
Hemlock Butte	5500	2/26	90	31.2	53.8	43.2*
Hemlock Butte (SP)	5500	2/28	--	28.0	76.4	--
#Hoodoo Basin Mont.	6000	2/27	86	31.5	68.6	45.6
#Hoodoo Basin (SP) Mont.	6000	3/1	--	30.1	68.5	--
#Hoodoo Creek Mont.	5900	2/27	80	29.4	68.8	42.5*
Horse Creek #1	5500	3/5	27	9.2	--	--
Horse Creek #3	5100	3/5	30	9.6	36.1	--
Horse Creek Helispot	4100	3/5	25	8.5	26.0	--
Lolo Pass	5250	2/26	52	17.3	46.7	29.0*
Lost Lake	6000	3/3	92	30.7	--	53.6*
Lower Snowhaven	5250	2/25	34	9.4	27.7	--
McCann	4300	3/1	0	0.0	10.9	5.7*
Meadow Creek Lookout (A)	7000	3/6	58	22.0	34.6	--
#Medicine Ridge	6150	2/27	79	25.9	--	43.6*
Mill Site	6700	3/6	53	18.7	40.6	--
Mountain Meadows	6300	3/6	47	14.0	32.7	--
#Nez Perce Pass Mont.	6575	2/26	37	10.8	22.7	13.8*
Orogrande Mountain (R)	7800	3/1	--	18.9	40.3	--
Pierce Ranger Station	3170	2/28	17	4.3	23.4	10.3

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average [b]
Powell Ranger Station	3410	2/26	20	6.0	21.0	13.2*
Savage Pass (Old)	6160	2/26	50	16.6	36.4	24.9*
Savage Pass (New)	6160	2/26	51	16.9	--	--
Shanghai Summit	4600	2/26	37	13.3	46.2	22.7*
Sweeney	4435	3/1	0	0.0	10.4	6.0*
Upper Snowhaven	5600	2/25	35	10.0	27.0	--
SALMON RIVER						
Big Creek Summit	6600	2/27	72	23.1	43.2	30.1
#Boulder Creek	5500	2/28	49	16.8	31.2	21.0*
Brundage Mountain	7560	2/28	91	32.5	52.1	--
Chapman Creek	4215	3/1	3	0.8	6.9	2.6*
#Deadwood Summit	7000	2/27	99	33.8	49.1	38.2*
#Deadwood Summit (SP)	7000	2/27	--	36.3	49.7	--
Doublespring Pass (A)	8400	3/6	24	6.0	--	--
#Galena Summit	8795	2/27	49	13.7	27.8	19.3
#Gibbons Pass Mont.	7100	2/27	49	15.8	29.2	19.5
Johns Creek	3805	3/1	1	0.2	0.3	1.6*
Keystone (A)	7700	3/6	15	3.6	--	--
Leatherman Pass (A)	9800	3/6	48	12.9	--	--
#Lemhi Pass Mont.	7480	2/28	21	4.9	10.3	6.9
#Lemhi Ridge Mont.	8100	2/28	25	5.8	14.3	--
Mill Creek Summit	8870	2/28	43	12.6	24.8	19.3*
Moose Creek	6200	2/28	36	10.3	25.6	14.2
Morgan Creek	7580	3/1	32	7.7	16.0	13.4*
Redfish Lake	6600	3/1	19	4.0	13.2	--
#Rock Flat Summit	5200	2/28	40	11.4	20.4	15.3
#Secesh Summit	6600	2/28	76	26.0	39.4	--
#Squaw Flat (A)	6230	2/27	29	8.9	30.8	--
#Squaw Meadow	5800	2/28	78	27.5	43.0	32.1*
Twin Peaks (A)	10300	3/6	40	10.8	--	--
Vienna Mine	8900	2/28	67	21.2	51.3	30.3*
Whitebird Summit	4390	3/1	12	3.5	11.6	5.3*
Williams Creek Summit	7800	2/28	27	6.6	14.1	10.8*
Lemhi River						
Above Gilmore	8200	2/26	22	4.4	11.4	8.3*
Aspen-Hall Pass	8110	2/26	29	6.1	10.2	--
Copes Camp	7500	2/27	22	4.9	9.0	6.5*
Hall Creek	7560	2/26	17	3.4	11.0	--
Meadow Lake	9100	2/26	36	9.9	22.3	17.0*
Schwartz Lake	8500	2/27	27	6.7	14.5	10.5*

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SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	43	11.6	2/27	9.2	10.2	10.3
Lookout	5250	48	11.0	3/1	7.6	6.3	8.4
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	2/23	4.2	4.2	5.5
Lemhi River							
Above Gilmore	8200	60	5.4	2/26	3.3	3.9	2.8
Meadow Lake	9100	43	4.4	2/26	2.1	2.4	2.4

SNOW

DRAINAGE BASIN and/or SNDW CDURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

LITTLE LOST RIVER

Fairview Guard Station	6750	2/27	18	3.0	5.6	4.1*
Lost Garfield	6600	2/27	17	2.9	6.0	3.4*
Moonshine	7450	2/27	29	6.2	12.7	9.4*
Sawmill Canyon	6900	2/27	24	5.4	8.8	7.1*
Swauger Lake (A)	9050	3/6	12	2.0	--	--
Wet Creek Summit	7600	2/28	28	7.1	14.9	9.3*

BIG LOST RIVER

Bear Canyon	7920	3/6	43	11.4	16.3	15.2
Cherry Creek Pass (A)	8900	3/4	7	1.3	4.1	--
Copper Basin	7650	3/6	21	4.6	9.0	8.0
#Doublespring Pass (A)	8400	3/6	24	6.0	--	--
Dry Fork (A)	7340	3/4	50	13.2	16.4	--
Fishpole Lake (A)	9350	3/4	45	12.1	16.2	--
Grasshopper (A)	8400	3/4	32	8.1	15.0	--
Iron Bog	7650	3/1	38	9.6	14.2	11.0*
Leadbelt	6800	3/1	28	5.2	8.6	8.0*
#Leatherman Pass (A)	9800	3/6	48	12.9	--	--
Mammoth Canyon (A)	8300	3/4	19	3.5	5.0	--
Sage Creek (A)	7800	3/6	16	2.7	--	--
Stickney Mill	7500	3/6	25	5.0	10.0	7.8
White Knob	7700	2/26	31	7.8	13.1	7.0*

FISH CREEK

#Dry Fork (A)	7340	3/4	50	13.2	16.4	--
Iron Mine Creek	6370	3/2	35	9.2	9.0	8.8*
Telfer Ranch	6000	3/2	25	7.2	7.7	6.9

LITTLE WOOD RIVER

#Bear Canyon	7920	3/6	43	11.4	16.3	15.2
Garfield Ranger Station	6554	3/1	33	8.8	8.8	9.0
Muldoon	6300	3/1	26	7.2	6.7	7.2
Porcupine (A)	8350	3/2	43	11.7	19.7	--
Swede Peak	7650	3/1	47	12.8	14.1	14.4*

BIG WOOD RIVER

Camas Creeks Divide	5720	2/27	34	9.9	13.7	--
#Couch Summit	6950	2/26	48	12.8	18.5	15.2*
Dollarhide Summit	8620	3/5	53	16.9	34.4	21.8*
Galena	7300	2/27	42	11.6	23.0	16.6
Galena Summit	8795	2/27	49	13.7	27.8	19.3

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average b
Graham Ranch	6200	2/27	36	9.6	13.2	11.5
Mascot Mine	7900	2/28	33	8.9	13.1	11.8
Mount Baldy	9000	3/1	49	13.2	20.6	17.0
#Porcupine (A)	8350	3/2	43	11.7	19.7	--
Soldier Ranger Station	6100	2/26	34	9.6	14.2	10.0
#Vienna Mine	8900	2/28	67	21.2	51.3	30.3*
CANYON CREEK						
Bennett Mountain	6650	2/27	41	12.8	26.1	14.9*
#Camas Creeks Divide (A)	5720	2/27	34	9.9	13.7	--
#Danskin (A)	5650	2/27	33	9.6	20.7	--
Dixie Hill	5230	2/28	8	3.2	6.2	--
Little Camas Flat (A)	4950	2/27	24	7.7	8.6	--
Long Tom (A)	4550	2/27	0	0.0	2.1	--
BOISE RIVER						
Atlanta Summit	7500	2/28	69	21.6	46.7	28.6*
Bad Bear	5500	2/28	26	8.8	23.2	11.8*
#Bennett Mountain	6650	2/27	41	12.8	26.1	14.9*
#Bogus Basin	6120	3/2	48	15.2	34.2	18.7
Bogus Basin Road	5360	3/2	T	T	12.1	5.2*
#Camas Creeks Divide (A)	5720	2/27	34	9.9	13.7	--
Couch Summit	6950	2/26	48	12.8	18.5	15.2*
Danskin (A)	5650	2/27	33	9.6	20.7	--
Deadman Gulch	5600	2/26	29	9.0	23.2	13.2*
#Dixie Hill	5230	2/28	8	3.2	6.2	--
#Dollarhide Summit	8620	3/5	53	16.9	34.4	21.8*
Jackson Peak	7000	2/28	68	23.2	40.5	26.5*
#Little Camas Flat (A)	4950	2/27	24	7.7	8.6	--
#Long Tom (A)	4550	2/27	0	0.0	2.1	--
Moores Creek Summit	6100	2/28	65	23.0	42.7	27.0
Prairie	4900	2/26	10	3.1	12.5	4.7
Road Creek (A)	5550	2/27	16	5.1	19.3	9.0*
#Soldier Ranger Station	6100	2/26	34	9.6	14.2	10.0
Trinity Mountain	7780	2/28	82	26.9	55.0	36.4*
Trinity Mountain (R)	7780	2/28	--	28.0	--	--
#Vienna Mine	8900	2/28	67	21.2	51.3	30.3*
PAYETTE RIVER						
#Big Creek Summit	6600	2/27	72	23.1	43.2	30.1
Bogus Basin	6120	3/2	48	15.2	34.2	18.7
#Brundage Mountain	7560	2/28	91	32.5	52.1	--
Cozy Cove	5900	2/27	36	11.0	19.3	14.1
Crawford Ranger Station	4800	2/27	12	4.3	11.7	6.9*
#Deadman Gulch	5600	2/26	29	9.0	23.2	13.2*
Deadwood Airstrip	5440	2/27	34	10.9	19.6	13.7*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
Deadwood Dam	5290	2/27	37	11.2	19.8	14.8
Deadwood Summit	7000	2/27	99	33.3	49.1	38.2*
Deadwood Summit (SP)	7000	2/27	--	36.3	49.7	--
Greenfield Flat (A)	7370	2/27	86	27.6	51.0	--
High Valley Summit	5170	3/2	29	9.0	14.3	8.7*
#Jackson Peak	7000	2/28	68	23.2	40.5	26.5*
Lake Fork	6000	3/1	34	10.4	18.4	13.8*
#Mica Ridge (A)	6800	2/27	80	25.7	42.1	--
Rock Flat Summit	5200	2/28	40	11.4	20.4	15.3
Secesh Summit	6600	2/28	76	26.0	39.4	--
Silver Creek Ridge (A)	5700	2/27	42	12.6	25.8	--
#Squaw Flat (A)	6230	2/27	29	8.9	30.8	--
Squaw Meadow	5800	2/28	78	27.5	43.0	32.1*
Tripod Summit	5200	3/1	42	12.6	20.8	15.6*
PAYETTE RIVER						
Boulder Creek	5500	2/28	49	16.8	31.2	21.0*
Mica Ridge (A)	6800	2/27	80	25.7	42.1	--
Placer Creek	6000	3/1	52	15.2	22.0	14.1*
Squaw Flat (A)	6230	2/27	29	8.9	30.8	--
MANN CREEK						
Mann Creek	5980	2/27	59	19.8	28.1	--
Sturgill Ridge	6680	2/27	67	24.9	35.1	--
Thorson Cabin	5320	2/27	33	9.8	15.8	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	2/28	7.2	8.2	7.8
Wet Creek Summit	8175	48	17.1	2/28	12.9	13.6	13.1
BIG WOOD RIVER							
Galena	7300	48	10.1	2/27	5.6	6.0	7.3
Galena Summit	8795	48	5.8	2/27	Frozen	2.1	Frozen
BOISE RIVER							
Bogus Basin	6120	48	13.1	3/2	11.3	--	--
Bogus Basin Road	4830	48	7.1	3/2	5.7	--	5.6

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE							
RAFT RIVER							
Boy Scout Camp		7600	2/26	40	13.5	21.0	12.8*
Clear Creek Mdws.	Utah	9050	2/26	63	20.7	24.9	17.5*
George Peak	Utah	9000	2/26	70	25.8	--	--
George Peak (SP)	Utah	9000	2/25	--	21.3	25.3	--
Howell Canyon		8000	2/26	53	18.5	42.4	20.5
One Mile Summit	Utah	7330	2/26	25	7.5	8.4	6.5*
Sheep Hollow		6200	2/26	25	7.1	8.4	4.8*
Sublett		6000	2/26	31	8.1	18.0	9.0
Summit Springs		6400	2/26	32	9.8	19.3	8.2*
GOOSE CREEK							
Badger Gulch		6660	2/26	28	8.4	20.4	9.3
Bostetter Rgr. Sta.		7500	2/26	47	15.9	34.8	15.8
Vi Pont (A)		7670	2/26	43	13.0	23.0	--
SALMON FALLS CREEK							
#Bear Creek	Nev.	7800	3/2	52	16.8	25.0	15.3*
Cedar Creek		7000	2/24	28	7.4	17.0	8.9*
Deadline		6900	2/24	54	18.9	40.6	18.1*
#Fox Creek	Nev.	6800	3/2	31	8.8	12.7	7.9*
Goat Creek	Nev.	8800	3/2	48	15.2	21.8	14.9*
#Hummingbird Springs	Nev.	8945	3/2	56	18.0	30.2	17.5*
Magic Mountain		6700	2/24	46	14.9	32.7	14.5
#Pole Creek Rgr. Sta.	Nev.	8330	3/2	52	16.6	25.8	15.3*
Red Point	Nev.	7940	3/2	29	7.3	13.3	9.5*
Shoshone Basin		5740	2/24	21	5.6	14.0	3.2*
Wilson Creek		7500	3/2	39	11.8	20.2	--
BRUNEAU RIVER							
Bear Creek	Nev.	7800	3/2	52	16.8	25.0	15.3*
Fox Creek	Nev.	6800	3/2	31	8.8	12.7	7.9*
Hummingbird Springs	Nev.	8945	3/2	56	18.0	30.2	17.5*
Pole Creek Rgr. Sta.	Nev.	8330	3/2	52	16.6	25.8	15.3*
#Seventy-six Creek	Nev.	7100	3/2	34	10.4	20.0	9.1*
OWYHEE RIVER							
Antelope Ridge		5900	2/28	17	4.4	14.3	4.2*
Battle Creek (A)		5700	2/23	13	3.6	4.2	--
#Bear Creek	Nev.	7800	3/2	52	16.8	25.0	15.3*
Bull Basin (A)		5600	2/23	4	1.1	0.0	--
#Fox Creek	Nev.	6800	3/2	31	8.8	12.7	7.9*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)
Hyde Pasture (A)		5800	2/23	14	3.9	8.0	--
Mud Flat		5500	2/28	18	4.8	9.3	4.7*
Red Canyon (A)		6650	2/23	21	5.9	12.6	--
#Seventy-six Creek	Nev.	7100	3/2	34	10.4	20.0	9.1*
Silver City		6400	3/1	31	8.6	25.6	12.5
South Mountain		6340	2/26	26	7.4	19.1	9.5
South Mountain (SP)		6340	2/26	--	7.1	--	--
Succor Creek (A)		6100	2/23	12	3.4	13.6	--
Triangle (A)		5150	2/23	0	0.0	0.0	--
Vaught Ranch (A)		5950	2/23	20	5.4	6.3	--
War Eagle (A)		7700	2/23	65	18.2	24.1	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Howell Canyon	8000	48	11.5	2/26	8.6	7.6	9.6
Sheep Hollow	6200	36	7.5	2/26	6.6	6.5	7.0
Sublett	6000	36	7.0	2/26	4.2	6.1	6.0
GOOSE CREEK							
Badger Gulch	6660	36	7.0	2/26	6.7	6.5	7.0
SALMON FALLS CREEK							
Deadline	6900	36	7.4	2/24	7.0	--	7.2
Patrick Ranch	5720	36	7.7	2/24	5.7	7.0	6.6
Pole Creek R. S.	8330	48	9.7	3/2	7.7	8.0	9.1
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	3/2	10.4	11.0	15.4
OWYHEE RIVER							
Mud Flat	5500	48	12.8	2/28	11.0	14.0	14.0

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	2/27	30	7.7	9.9	7.8
Kilgore	6200	2/27	36	9.5	11.2	8.3
MEDICINE LODGE CREEK						
Irving Creek	7035	2/26	21	4.0	6.4	4.5*
Webber Creek	6700	2/26	22	4.1	7.2	4.2*
HENRYS FORK RIVER						
Big Springs	6500	2/28	49	14.7	25.6	17.9
Big Springs (New)	6500	2/28	50	14.4	--	--
Black Canyon	7850	2/26	76	26.0	38.4	28.5*
Black Canyon (New)	7850	2/26	78	26.6	--	--
Black Moose	8125	2/26	80	30.4	53.2	34.0*
Grassy Lake Wyo.	7230	2/28	76	25.9	43.3	29.1
Island Park	6315	2/28	44	12.0	17.6	13.9
Island Park (New)	6315	2/28	41	12.0	--	--
Latham Springs	7650	2/26	75	26.8	34.8	27.8*
Latham Springs (New)	7650	2/26	75	27.2	--	--
Lucky Dog	6900	2/26	58	19.6	27.8	21.1*
Lucky Dog (New)	6900	2/26	51	16.6	--	--
Sawtelle Mountain	8715	2/28	69	22.9	35.8	--
Targhee Pass	7000	2/28	33	8.0	16.5	12.0*
Valley View	6500	2/28	32	8.0	19.1	13.3
White Elephant	7700	2/28	54	17.2	--	--
TETON RIVER						
Darby Canyon Wyo.	8250	2/26	54	17.0	--	--
Freds Mountain Wyo.	8000	2/26	60	19.6	29.4	--
Garns Mountain	8300	2/26	83	28.9	--	--
Indian Meadows Wyo.	8200	2/26	79	27.5	--	--
Jackpine Creek Wyo.	7500	2/26	53	18.2	--	--
McRenold Reservoir	6800	2/26	49	15.6	--	--
Miles Creek Wyo.	7500	2/26	40	11.8	--	--
Phillips Bench Wyo.	8200	3/3	64	20.6	--	--
Pine Creek Pass	6750	2/26	43	13.4	20.9	14.6*
State Line	6400	2/26	37	10.8	19.1	12.2
Teton Pass W. S. Wyo.	8500	3/2	64	20.1	--	--
WILLOW CREEK						
Aspen Grove	6600	2/26	36	11.0	16.2	--
Birch Creek	6800	2/26	30	9.2	25.5	--
Bone	6200	2/26	28	8.0	11.1	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average 6
Ozone	5800	2/27	8	2.6	0.0	--
Sheep Mountain	6510	2/26	42	12.5	13.5	--
Tex Creek	6700	2/26	31	8.2	13.2	--
SAND CREEK						
Henry Creek	5650	2/27	16	5.2	3.4	--
Taylor Mountain	6500	2/26	31	9.1	27.5	--
BLACKFOOT RIVER						
Austin Bros. Ranch	6450	3/1	31	8.0	12.2	6.8*
Slug Creek Divide	7225	2/24	41	13.4	19.0	13.1*
Somsen Ranch	7000	3/1	41	10.8	17.1	9.9*
PORTNEUF RIVER						
Cove	5525	2/27	25	6.8	9.0	--
Dempsey Creek	6280	2/26	39	10.6	17.1	9.1*
Lower Pebble	5800	2/27	40	10.9	22.8	--
Mink Creek	6300	2/26	48	13.6	21.5	12.7
Moser	5950	2/27	30	8.2	11.5	--
North Bancroft #1	5460	2/27	22	6.0	6.2	--
North Bancroft #2	5430	2/27	14	3.9	3.0	--
Pebble Creek	6550	2/27	44	12.8	23.3	12.1

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	2/28	8.4	8.3	8.3
Valley View	6500	48	13.3	2/28	Frozen	7.7	Frozen
TETON RIVER							
Pine Creek Pass	6750	48	13.3	2/26	10.2	11.7	12.2
State Line	6400	48	14.8	2/26	13.4	14.2	13.9
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	2/27	7.6	7.6	6.4
Pebble Creek	6550	48	7.2	2/27	5.9	5.6	6.2

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	2/26	60	17.8	28.8	19.2*
Emigration Canyon	6500	2/26	34	8.6	14.8	8.6*
Montpelier Creek						
Giveout	6840	2/26	39	8.2	18.9	10.1*
Little Beaver	6970	2/26	46	11.8	21.8	13.4*
Lower Home Canyon	7500	2/23	36	9.8	18.3	--
Montpelier Creek	6570	2/26	27	5.5	12.7	6.8*
Upper Home Canyon	8500	2/23	53	13.8	29.0	--
Whiskey Flat	6985	2/26	30	6.1	14.9	8.1*
Mink Creek						
Christensen Ranch	5600	2/28	33	8.4	7.6	7.3*
Dry Basin (A)	7900	3/6	61	19.3	29.8	--
#Emigrant Summit	7350	2/26	60	17.8	28.8	19.2*
Horseshoe Basin (A)	8000	3/6	59	18.7	23.2	--
Liberty Spring	8600	2/28	76	25.6	43.4	--
Strawberry Creek	5800	2/28	36	10.9	11.9	9.3*
Strawberry Mink Divide	6800	2/28	56	18.0	25.9	17.2*
Cub River						
Cub River Ranger Station	5400	2/28	29	7.3	8.5	7.5*
Willow Flat	6100	2/27	41	11.6	16.9	12.7*
MALAD RIVER						
Cliff Canyon	7200	2/28	28	7.2	15.0	--
Daniels Creek	6400	2/28	25	6.5	10.0	--
Dry Creek Flat	6350	2/27	34	11.4	10.1	6.2*
Lower Elkhorn	6850	2/27	38	12.0	18.5	--
Oxford Mountain	6800	2/27	33	9.6	12.9	8.0*
Upper Elkhorn	7100	2/27	53	16.2	23.1	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	2/26	5.4	7.1	6.7
Strawberry Creek	5300	48	12.7	2/29	7.7	11.8	11.7

*(b) 1953-67, 15 year peried. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snaw-water equivalent. (R) Radioactive Gage snaw-water equivalent.*

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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MAY 4 1973
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

COVER PHOTO NUMBER OMC-286-4

USDA SCS PORTLAND, OREG 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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BOISE, IDAHO

In Cooperation with

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Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR APRIL 1, 1973

Snowfall during March in the mountainous watersheds of Idaho was near normal. As a result, snow accumulation as of April 1 is very little changed from the situation that existed on March 1. In general, the snowpack is above normal south of the Snake River, below to near average north of the Snake River in central Idaho, and well below normal from the Clearwater drainage north. Snow cover values range from 50% of normal on the Spokane watershed to 130% of average on the Owyhee drainage. Two extreme exceptions are noted: 17% of average on the Palouse River and 229% of normal on the Malad watershed.

Soil moisture conditions have changed very little during March. Low elevation soils have gained moisture slightly and higher elevations remain the same. In general, soil moisture is below normal throughout the state.

Fall and winter valley precipitation has been well below normal throughout the state, except for the Snake River Plain, which has been slightly above average, and the Owyhee slightly below.

Reservoir storage is good in all major irrigation reservoirs. Due to the lack of spring precipitation, it appears early drawdown for irrigation could change the situation and prevent complete filling of some storage facilities.

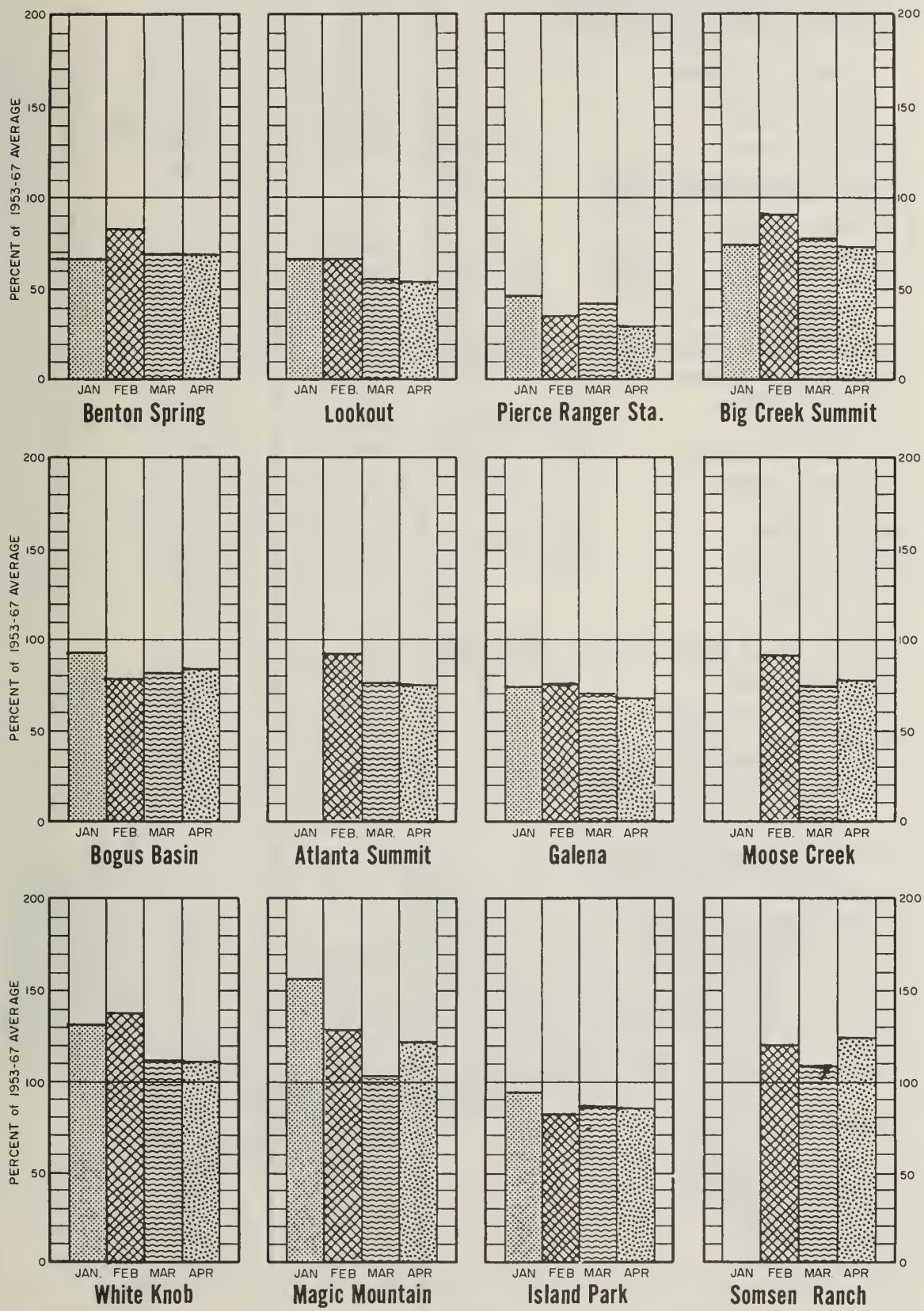
USDA SCS PORTLAND, OREG. 1981 M-3155.2

Forecasts of prospective streamflow for the April-September season range from a low of 53% of normal for the Spokane River to 120% of average for Inflow to Oakley Reservoir. In general, runoff is expected to be well below normal in northern Idaho, below to near average across central Idaho north of the Snake River, and near to above normal south of the Snake River.

Water Supply for the coming irrigation season is expected to be adequate on streams with adequate storage facilities though good management will be essential. Shortages should be expected on drainages with little or no storage, and critical shortages on small, low elevation watersheds. Climatic conditions during the spring months will have a dramatic effect on water supplies, irrigation needs, and dry farm success throughout the state this season. Water users should plan for the best possible management of the water resources available, with a goal toward carrying water over to next year wherever possible.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1953-67 15 Yr. Average

APRIL 1, 1973



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	19	52	72
Pend Oreille River	78	48	70
Clark Fork River	49	45	68
Flathead River	29	53	74
Priest River	2-3	70	60
Spokane River	14-15	36	50
LOWER SNAKE RIVER BASIN			
Palouse River	5	18	17
Clearwater River	23-32	44	60
Salmon River	19-25	60	75
Lemhi River	4-6	59	69
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	77	76
Big Lost River	7	78	78
Fish Creek	2-3	140	110
Little Wood River	4-5	103	89
Big Wood River	10-12	63	73
Canyon Creek	1-4	66	77
Boise River	14	53	73
Payette River	14-17	63	75
Weiser River	2	72	90
Mann Creek	4	77	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	86	129
Goose-Trapper Creeks	2-3	69	115
Salmon Falls Creek	10-11	82	121
Bruneau River	5	88	117
Owyhee River	5	120	135
Jordan Creek	4	51	83
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	21	60	79
Camas-Beaver Creeks	3	100	100
Medicine Lodge Creek	2	86	122
Henrys Fork River	9-10	75	87
Teton River	2-3	73	92
Willow-Sand Creeks	8	89	--
Blackfoot River	3	84	116
Portneuf River	3-8	100	117
GREAT BASIN			
Bear River - Lower	22	92	109
Montpelier Creek	4-6	57	90
Mink Creek	5-7	92	108
Cub River	3	96	97
Malad River	2-6	126	229

SNOW WATER DEPTHS

As percent of 1953-67 15 year average

APRIL 1, 1973

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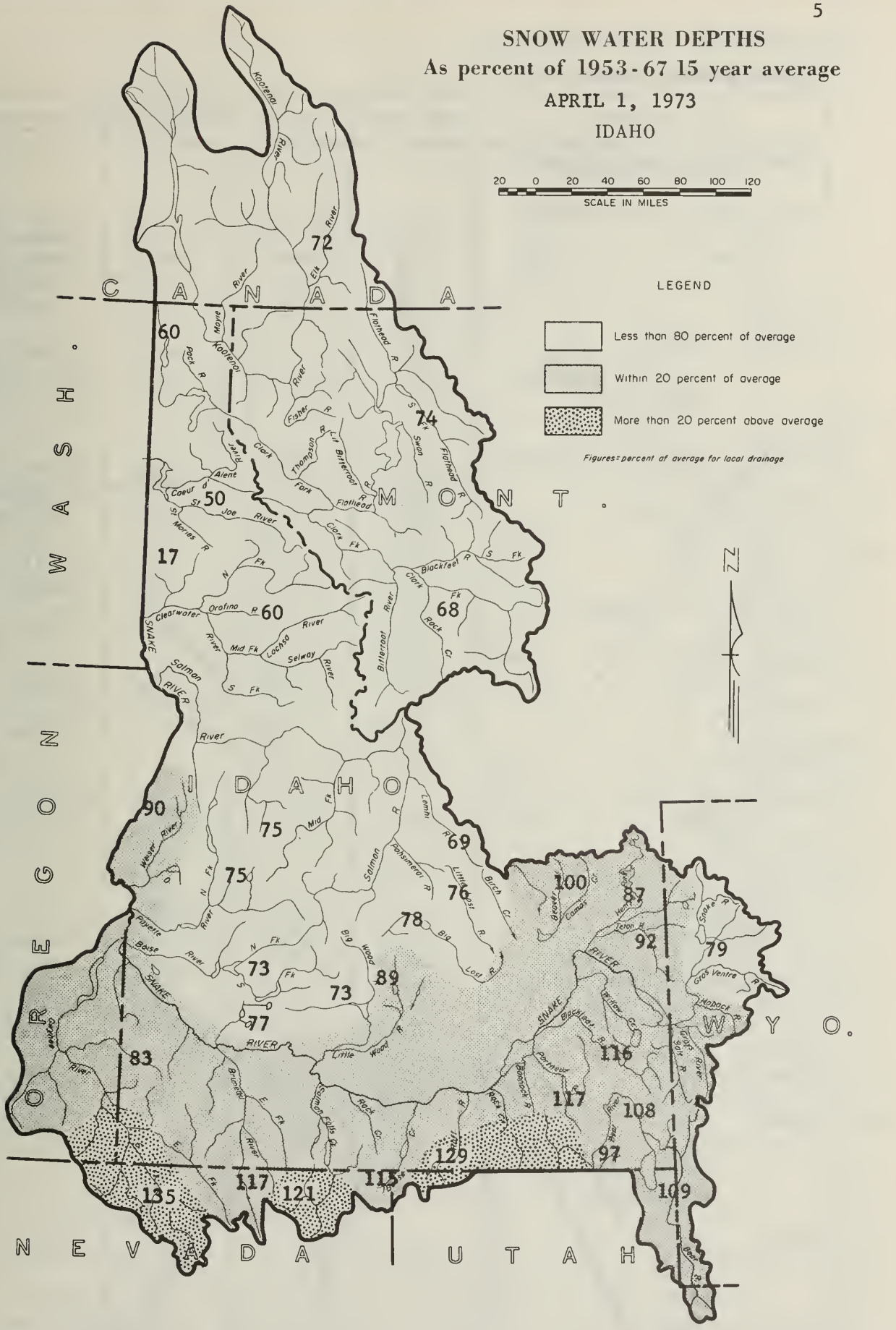


U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

RESERVOIR STORAGE (1,000 Ac. Ft.)

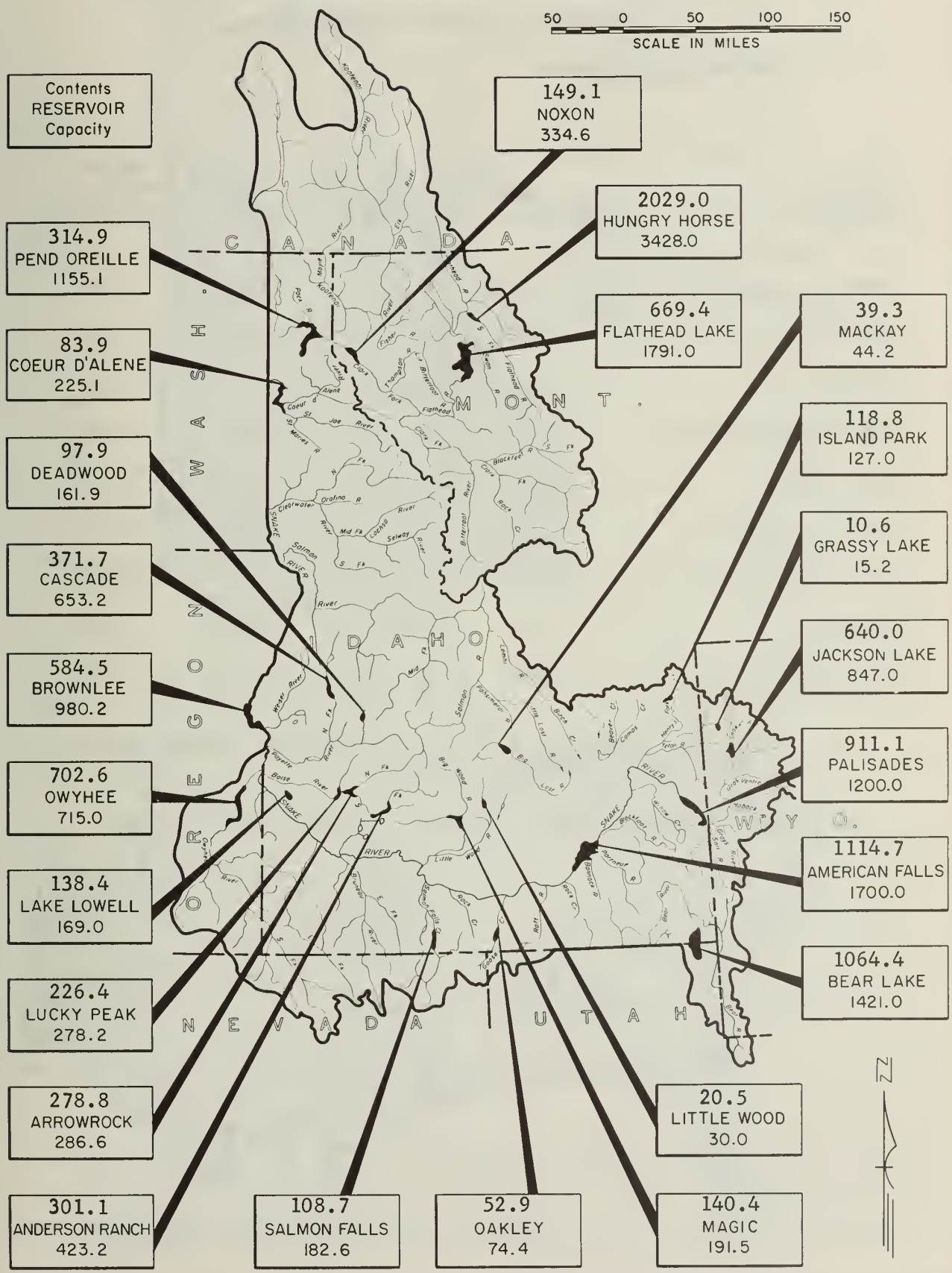
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2029.0	1495.0	2077.0*
Flathead	1791.0	669.4	1034.0	746.7
Pend Oreille	1155.1	314.9	542.8	423.7
Noxon	334.6	149.1	175.0	188.0*
Spokane				
Coeur d'Alene	225.1	83.9	342.0	154.6
SNAKE BASIN				
Snake				
Jackson Lake	847.0	640.0	588.1	430.7
Palisades	1200.0	911.1	643.0	728.6*
American Falls	1700.0	1114.7	1544.3	1601.9
Island Park	127.0	118.8	120.5	123.0
Grassy Lake	15.2	10.6	14.5	11.1
Brownlee	980.2	584.5	257.5	361.6*
Goose-Trapper Creeks				
Oakley	74.4	52.9	49.3	20.4
Salmon Falls Creek				
Salmon Falls	182.6	108.7	120.8	33.4
Big Lost				
Mackay	44.2	39.3	30.2	32.8
Big Wood				
Magic	191.5	140.4	158.6	119.5
Little Wood				
Little Wood	30.0	20.5	22.4	15.4*
Fish Creek				
Carey Valley	13.0	6.1	12.2	--
Boise				
Anderson Ranch	423.2	301.1	282.1	211.7
Arrowrock	286.6	278.8	223.6	236.0
Lucky Peak	278.2	226.4	45.2	123.5*
Lake Lowell (Deer Flat)	169.0	138.4	133.5	147.1
Owyhee				
Owyhee	715.0	702.6	695.6	476.8
Payette				
Cascade	653.2	371.7	228.4	271.5
Deadwood	161.9	97.9	93.8	79.4
Weiser				
Mann Creek	11.1	8.9	5.8	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1064.4	1127.2	893.7

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

APRIL 1, 1973



VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter March 1973		Fall - Winter Nov. 72 - Mar. 73	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	1.48	-0.43	11.82	-2.30
Flathead	0.73	-0.73	6.16	-3.92
Clark Fork	0.04	-0.27	2.86	-1.61
Pend Oreille-Spokane	1.96	-0.18	13.23	-5.02
Upper Snake	1.59	-0.10	8.47	-1.56
Snake River Plain	1.15	+0.38	4.87	+0.56
Salmon-Payette-Boise	1.14	-0.62	9.25	-1.88
Clearwater	1.90	-0.60	10.69	-2.92
Owyhee-Malheur	0.69	-0.21	4.95	-0.23

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

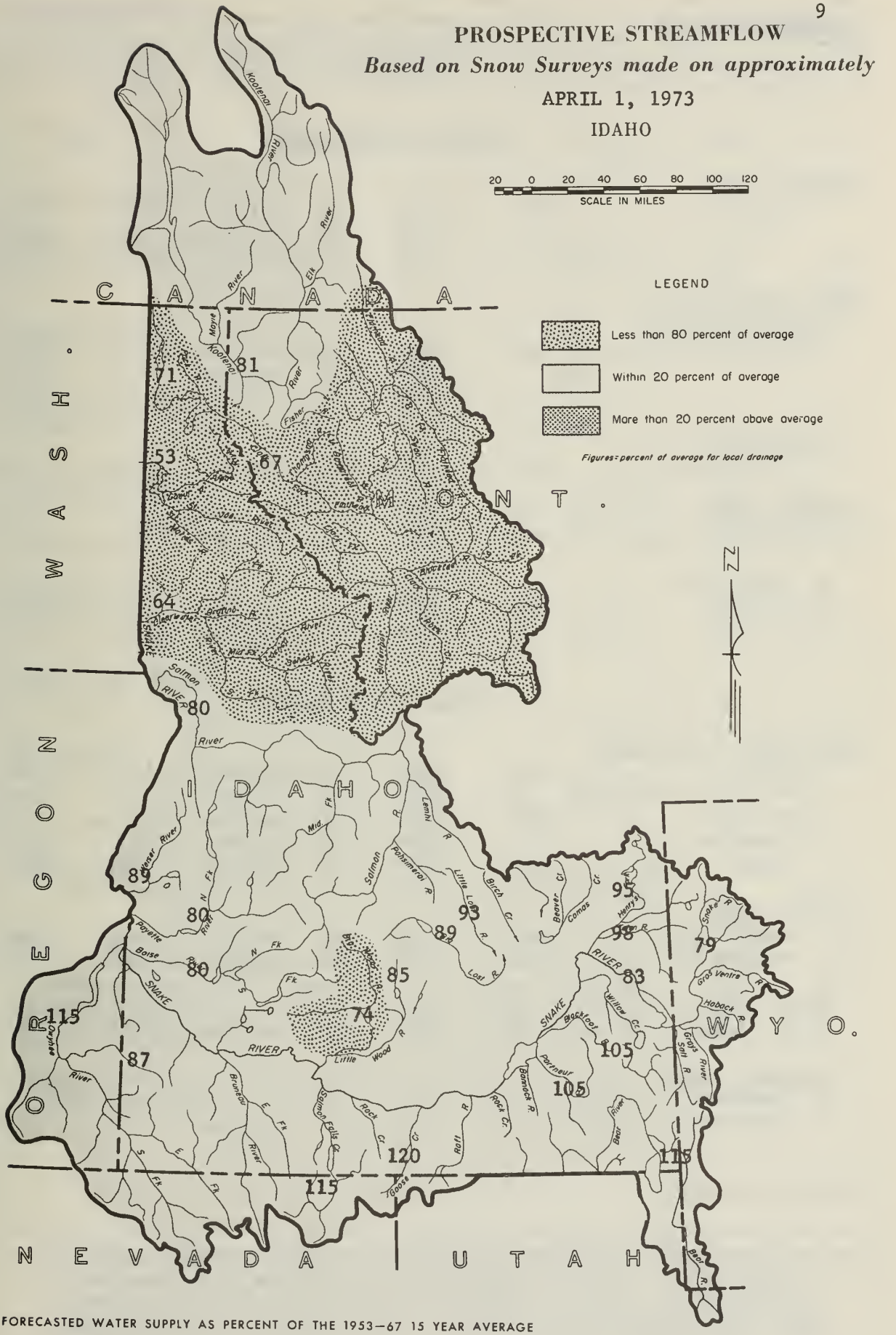
2/ Departure from 15-year (1953-67) drainage division average.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

APRIL 1, 1973

IDAHO



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953—67 15 YEAR AVERAGE

U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	7400	81	Apr-Sep	11041	9198
		6500	80	Apr-Jul	9703	8072
		5250	81	Apr-Jun	7798	6463
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	9400	67	Apr-Sep	--	13937
		8500	67	Apr-Jul	--	12787
		7300	66	Apr-Jun	--	10953
Priest River						
Priest River 1/	(at)	650	71	Apr-Jul	960	914
SPOKANE RIVER						
Post Falls 2/	(at)	1650	53	Apr-Sep	3971	3140
St. Joe River						
Calder	(at)	750	55	Apr-Sep	--	1359
		710	55	Apr-Jul	1777	1291
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	671	79	Apr-Sep	1131	846
Palisades Inflow 3/		2900	83	Apr-Sep	5068	3500
Heise 4/	(nr)	3100	83	Apr-Sep	5309	3743
Blackfoot 5/	(nr)	3200	83	Apr-Jul	6140	3871
Weiser	(at)	4350	69	Apr-Sep	8703	6306
Henrys Fork						
Ashton 6/	(nr)	580	95	Apr-Sep	820	609
Rexburg 7/	(nr)	1180	96	Apr-Sep	1809	1229
Teton River						
St. Anthony	(nr)	385	98	Apr-Sep	568	394
Blackfoot River						
Blackfoot Reservoir Inflow		107	105	Apr-Sep	--	102*

*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Portneuf River						
Topaz	(at)	83	105	Mar-Sep	164	79.4
Oakley Reservoir Inflow		30	120	Mar-Sep	56	24.9
Salmon Falls Creek						
San Jacinto	(nr)	80	115	Mar-Sep	139	69.7
		77	116	Mar-Jul	134	66.5
Bruneau River						
Hot Springs	(nr)	220	115	Mar-Sep	--	191
Little Lost River						
Howe	(nr)	35	93	Mar-Sep	--	37.8
Big Lost River						
Howell Ranch	(at)	175	89	Apr-Sep	196	196
		122	89	Apr-Jun	148	137
Mackay 1/	(nr)	150	89	Apr-Sep	177	168
Big Wood River						
Magic Reservoir		195	74	Apr-Sep	294	262
Inflow 2/		200	75	Mar-Jul	388	268
Little Wood River						
High Five Creek	(ab)	76	95	Apr-Sep	64	80
Boise River						
Twin Springs	(nr)	590	82	Apr-Sep	--	718
		550	83	Apr-Jul	--	666
Boise 3/	(nr)	1250	80	Apr-Sep	2233	1556
South Fork						
Anderson Dam 4/	(at)	450	78	Apr-Sep	--	577
Owyhee River						
Gold Cr., Nev. 5/	(nr)	21	130	Apr-Jul	23	16.1
Owyhee, Nev. 5/	(nr)	72	120	Apr-Jul	86	60
Lake Owyhee		346	115	Apr-Sep	363	300
net inflow 6/		327	116	Apr-Jul	339	231
Jordan Creek						
Lone Tree Creek	(ab)	73	87	Apr-Jul	--	85

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

+ 1953-1967 period.

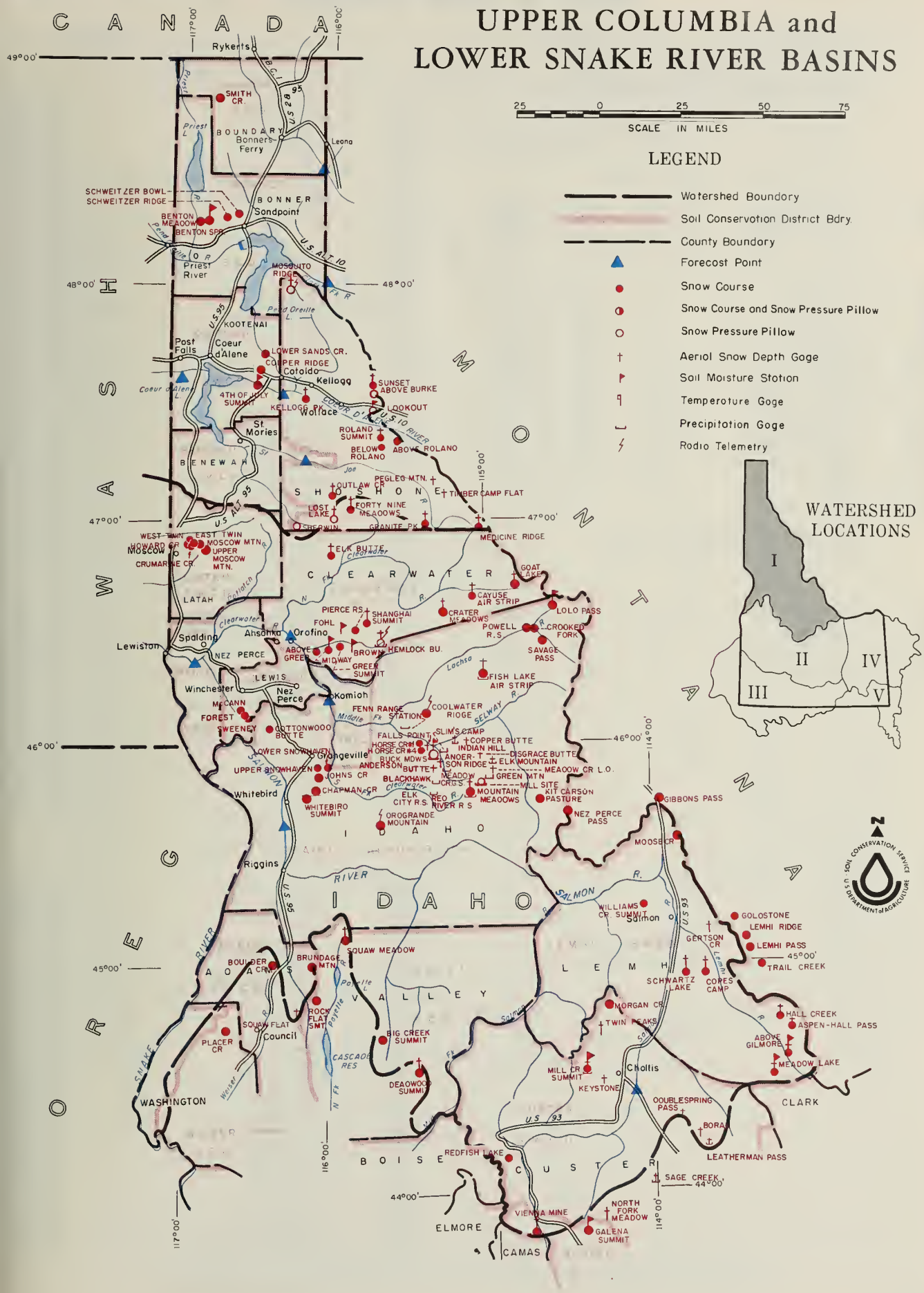
STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	1475	80	Apr-Sep	--	1839
Banks 2/	(nr)	800	81	Apr-Jul	--	984
North Fork						
Cascade 3/	(at)	440	80	Apr-Sep	--	553
Banks 3/	(nr)	570	79	Apr-Sep	--	718
Weiser River						
Weiser ab. Crane Creek 4/		450	89	Mar-Sep	--	504
Salmon River						
Whitebird	(at)	5475	80	Apr-Sep	--	6850
Clearwater River						
Spalding	(at)	5500	64	Apr-Sep	10667	8578
GREAT BASIN						
BEAR RIVER						
Harer	(at)	260	115	Apr-Sep	--	226
Montpelier Creek						
Montpelier	(nr)	9.8	92	Apr-Sep	19.8	10.7
Cub River						
Preston	(nr)	47.0	98	Apr-Sep	--	47.8*

*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1953-1967 period.

UPPER COLUMBIA and LOWER SNAKE RIVER BASINS



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
16A1	I	Smith Creek	29	64N	3W	4800
PEND OREILLE - PRIEST RIVER						
16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
SPOKANE RIVER						
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B15a	I	Pegleg Mountain	15	44N	9E	5735
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
15B16a	I	Timber Camp Flat	23	44N	9E	4300
LOWER SNAKE BASIN						
PALOUSE RIVER						
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C7SR	I	Upper Moscow Mountain	16	40N	4W	4600
16C4P	I	West Twin	14	40N	5W	4250

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.
CLEARWATER RIVER					
16C11	I	Above Greer	14	35N	2E
15D7a	I	Anderson Butte	34	30N	9E
15D8a	I	Anderson Ridge	35	30N	9E
15D9p	I	Blackhawk	31	29N	10E
16C14m	I	Brown	11	35N	3E
15D5MAP	I	Buck Meadows	26	31N	8E
15C3A	I	Cayuse Airstrip	4	38N	11E
15C7R	I	Coolwater Mountain	32	33N	8E
15D10a	I	Copper Butte	35	31N	10E
16C16	I	Cottonwood Butte	33	32N	1W
15C9A	I	Crater Meadows	2	37N	9E
14C10	I	Crooked Fork	27	37N	14E
15D11a	I	Disgrace Butte	26	30N	10E
16C15A	I	Elk Butte	6	40N	3E
15D12p	I	Elk City Rgr. Sta.	23	29N	8E
15D13ap	I	Elk Mountain	34	30N	11E
15C11a	I	Falls Point	10	31N	9E
15C12p	I	Fenn Ranger Station	23	32N	7E
15C2AP	I	Fish Lake Airstrip	35	35N	11E
15C8m	I	Fohl	16	36N	5E
16C9	I	Forest	1	32N	3W
15B3A	I	Forty-nine Meadows	6	43N	5E
14C9A	I	Goat Lake	4	38N	13E
15D14p	I	Green Mountain	15	28N	11E
16C13	I	Greer Summit	13	35N	2E
15C6APR	I	Hemlock Butte	7	36N	7E
15C8s	M	Hoodoo Basin	17	14N	27W
15C1	M	Hoodoo Creek	16	14N	27W
15C14	I	Horse Creek #1	25	31N	8E
15C15	I	Horse Creek #4	5	30N	9E
15D21a	I	Horse Point	4	30N	9E
15D22ap	I	Indian Hill	30	31N	10E
14D3	I	Kit Carson Pasture	4	27N	16E
14C5M	I	Lolo Pass	16	38N	15E
15B14AS	I	Lost Lake	16	43N	4E
15D15p	I	Lower Horse Creek	28	31N	9E
16D7	I	Lower Snowhaven	9	29N	3E
16C8	I	McCann	25	33N	3W
15D16p	I	Meadow Creek Guard Station	5	29N	10E
15D17a	I	Meadow Creek Lookout	25	29N	11E
16C12M	I	Midway	14	35N	2E
15D18ps	I	Mill Site	22	28N	11E
15D6AP	I	Mountain Meadows	9	27N	10E
14D1	M	Nez Perce Pass	25	1S	24W
15D4R	I	Orogrande Mountain	24	27N	6E
15C5	I	Pierce Kanger Station	2	36N	5E
14C6	I	Powell Ranger Station	33	37N	14E
15D19p	I	Red River Ranger Station	4	27N	9E
15D20a	I	Sable Hill	14	29N	10E
14C4	I	Savage Pass	18	36N	15E
15C4A	I	Shanghai Summit	7	37N	6E
15C13p	I	Slim's Camp	11	31N	9E
16C10	I	Sweeney	1	32N	3W
16D4	I	Upper Snowhaven	8 & 9	29N	3E
SALMON RIVER					
13E19MA	I	Above Gilmore	13	13N	26E
13E21A	I	Aspen-Hall Pass	6	16N	28E
15E2	I	Big Creek Summit	24	15N	5E
13E8a	I	Borah	21	10N	23E
16D6	I	Brundage Mountain	6	19N	3E
16D2	I	Chapman Creek	16	29N	2E
13E17A	I	Copes Camp	36	18N	22E
13E25a	I	Doublespring Pass	3	10N	22E
13D17a	I	Gertson Creek	22	22N	23E
13D2	M	Gibbons Pass	4	2S	19W
13D9	M	Gold Stone	11	8S	16W
13E20A	I	Hall Creek	1	16N	27E
16D3	I	Johns Creek	9	29N	2E
14E6a	I	Keystone	15	13N	18E
13E24ap	I	Leatherman Pass	20	9N	23E
13E1	M	Lemhi Pass	9	10S	15W
13E23	M	Lemhi Ridge	4	10S	15W
13E18MA	I	Meadow Lake	24	13N	26E
14E1MAP	I	Mill Creek Summit	8	13N	17E
13D16	I	Moose Creek	22 & 26	27N	21E
14E4	I	Morgan Creek	32	18N	19E
14E2	I	Redfish Lake	3	9N	13E
13E16A	I	Schwartz Lake	34	18N	22E
13E2	M	Trail Creek	15	10S	15W
14E3a	I	Twin Peaks	28	15N	17E
14F4AP	I	Vienna Mine	32	6N	14E
16D5	I	Whitebird Summit	17	29N	2E
14D4	I	Williams Creek Summit	34	21N	20E

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	3/28	112	45.6	80.5	--
Halverson Creek	4850	3/28	87	37.9	61.4	--
Smith Creek	4800	3/30	95	36.9	56.7	50.1
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	3/29	T	0.1	0.0	3.2
Benton Spring	4900	3/29	39	14.4	18.2	20.8
#Mosquito Ridge	5110	3/28	73	28.0	45.6	40.2*
Schweitzer Bowl	4500	3/29	60	21.8	31.8	--
Schweitzer Ridge	6100	3/29	93	35.5	53.1	--
HAYDEN LAKE						
Chilco Ridge	3650	3/28	0	0.0	--	--
Conie Creek Ridge	3900	3/28	0	0.0	--	--
Corner Creek	3150	3/28	T	T	--	--
Sage Creek Saddle	4100	3/28	25	9.4	--	--
Ulrich Creek	2800	3/28	0	0.0	--	--
SPOKANE RIVER						
Above Burke	4100	3/30	31	10.6	35.6	25.0*
Above Burke (SP)	4100	3/30	--	11.8	33.2	--
Above Roland	4350	3/28	42	16.5	52.8	34.8*
Below Roland	3770	3/28	8	3.1	21.8	17.0*
Copper Ridge	4800	3/29	32	11.2	38.6	31.1
#Forty-nine Meadows	5000	3/28	48	17.5	42.3	36.1
Fourth of July Summit	3100	3/28	0	0.0	5.4	11.2*
Granite Peak	6000	3/28	91	31.7	--	51.2*
Kellogg Peak	5560	3/28	52	18.9	50.2	33.5*
Lookout	5250	3/30	59	20.8	54.5	38.4
#Lost Lake	6000	3/28	100	36.9	85.7	66.2*
Lower Sands Creek	3400	3/29	25	8.4	27.9	21.0
Medicine Ridge	6150	3/28	86	30.2	63.2	--
Mosquito Ridge	5110	3/28	73	28.0	45.6	40.2*
Roland Summit	5200	3/28	58	21.5	67.1	41.2*
Sherwin	3200	3/29	13	4.4	21.7	16.6*
Sunset	5600	3/28	58	20.7	53.8	35.6*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	3/30	0	0.0	3.0	4.1*
East Twin	4050	3/30	0	0.0	6.8	12.5*
Howard Creek	3450	3/30	0	0.0	0.0	1.6*
Moscow Mountain	4400	3/29	23	7.9	26.5	18.4*
West Twin	4250	3/30	0	0.0	8.6	10.2*
CLEARWATER RIVER						
Buck Meadows	5600	3/30	63	26.0	49.0	--
Cayuse Airstrip	3700	3/29	3	1.2	15.8	10.4
Coolwater Mountain	6200	3/29	73	24.2	55.3	30.6*
Coolwater Mountain (SP)	6200	3/29	--	17.4	48.0	--
Cottonwood Butte	5140	3/31	33	9.0	22.0	--
Crater Meadows	6100	3/29	84	30.5	71.7	45.3*
Crooked Fork	3600	3/29	19	6.9	22.0	--
Disgrace Butte (A)	6600	3/30	60	25.8	41.8	--
Elk Butte	5550	3/28	57	20.6	55.0	41.5*
Elk Mountain	7500	3/30	87	38.0	71.7	--
Fish Lake Airstrip	5000	3/29	72	25.0	62.0	40.9
Forest	4550	4/1	0	0.0	4.7	6.2*
Forty-nine Meadows	5000	3/28	48	17.5	42.3	36.1
Goat Lake	6600	3/29	99	34.9	68.9	49.1*
#Granite Peak	6000	3/28	91	31.7	--	51.2*
Hemlock Butte	5500	3/27	102	36.7	77.2	52.1*
Hemlock Butte (SP)	5500	3/27	--	32.1	87.6	--
#Hoodoo Basin Mont.	6000	3/28	93	35.4	80.8	54.5
#Hoodoo Basin (SP) Mont.	6000	3/30	--	34.8	80.7	--
#Hoodoo Creek Mont.	5900	3/28	88	33.4	78.3	50.6
Horse Creek #1 (A)	5500	3/30	30	12.3	35.2	--
Horse Creek #2 (A)	5100	3/30	33	13.2	35.1	--
Horse Creek Helispot	4100	3/30	26	11.3	26.0	--
Kit Carson Pasture	5020	3/26	20	5.4	13.2	8.6
Lolo Pass	5250	3/29	54	20.2	52.3	33.8*
Lost Lake	6000	3/28	100	36.9	85.7	66.2*
Lower Snowhaven	5250	3/31	46	13.7	30.0	--
McCann	4300	4/1	0	0.0	0.0	6.2*
Meadow Creek Lookout (A)	7000	3/30	60	24.0	48.6	--
#Medicine Ridge	6150	3/28	86	30.2	63.2	--
Mill Site	6700	3/30	63	24.7	44.3	--
Mountain Meadows	6300	3/30	56	21.8	36.0	--
#Nez Perce Pass Mont.	6575	3/26	39	11.8	27.2	16.8
Orogrande Mountain	7800	3/30	84	31.2	--	38.8*
Orogrande Mountain (R)	7800	3/30	--	25.2	48.1	--
Pierce Ranger Station	3170	4/1	10	3.1	18.8	10.3
Powell Ranger Station	3410	3/29	10	3.7	18.9	13.9*

*(b) 1953-67, 15 year period. #Nat lacated directly an this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial absevatian Water cantent estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radiaactive Gage snaw-water equivalent.*

USDA-SCS PORTLAND, OREG. 1971

SNOW

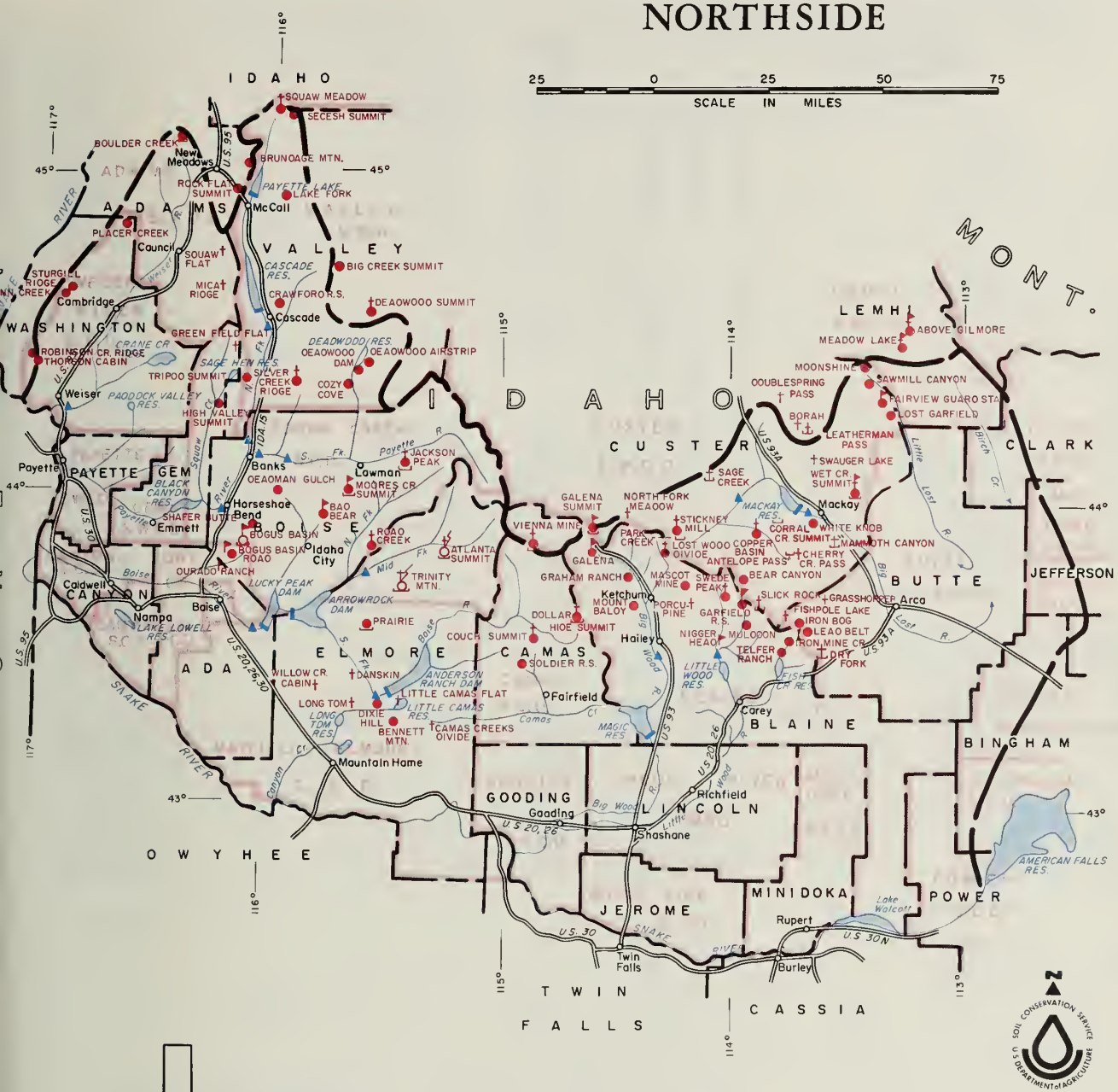
DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Savage Pass	6160	3/29	54	19.7	42.9	28.6
Savage Pass (New)	6160	3/29	58	19.7	--	--
Shanghai Summit	4600	3/27	42	14.4	45.8	29.5*
Sweeney	4435	4/1	0	0.0	5.5	6.5*
Upper Snowhaven	5600	3/31	50	15.5	29.1	--
SALMON RIVER						
Big Creek Summit	6600	3/30	76	26.4	46.9	36.6
Borah (A)	8250	4/4	24	5.7	8.7	--
#Boulder Creek	5500	3/27	50	18.6	26.4	23.6
Brundage Mountain	7560	3/29	100	38.5	56.4	--
Chapman Creek	4215	3/28	3	1.0	0.8	2.4*
#Deadwood Summit	7000	3/30	96	38.6	54.6	46.1*
Doublespring Pass (A)	8400	4/4	37	8.8	13.4	--
#Galena Summit	8795	3/27	58	17.2	31.6	23.9
#Gibbons Pass Mont.	7100	3/28	67	21.0	34.4	23.0
Johns Creek	3805	3/28	0	0.0	0.4	0.8*
Keystone (A)	7700	4/4	24	5.7	12.4	--
Leatherman Pass (A)	9800	4/4	72	19.1	30.4	--
#Lemhi Pass Mont.	7480	3/28	32	7.0	10.3	8.5
#Lemhi Ridge Mont.	8100	3/28	39	8.2	15.8	--
Mill Creek Summit	8870	3/30	49	14.3	30.8	23.0*
Moose Creek	6200	4/2	48	12.7	25.4	16.2
Morgan Creek	7580	3/29	40	9.5	17.6	14.7*
Redfish Lake	6600	3/31	19	4.6	12.9	--
#Rock Flat Summit	5200	3/29	42	13.2	20.9	18.2
#Secesh Summit	6600	3/26	85	30.2	44.2	--
#Squaw Flat (A)	6230	3/29	63	21.9	--	--
#Squaw Meadow	5800	3/24	88	30.8	46.2	38.7*
Twin Peaks (A)	10300	4/4	62	16.4	39.1	--
Vienna Mine	8900	3/29	72	26.1	51.4	37.0
Whitebird Summit	4390	3/28	11	4.1	7.7	5.9*
Williams Creek Summit	7800	3/29	40	9.2	18.4	13.3
Lemhi River						
Above Gilmore	8200	3/27	33	6.2	14.3	10.5*
Aspen-Hall Pass	8110	3/27	45	9.0	13.1	--
Copes Camp	7500	3/28	33	7.0	10.6	8.4*
Hall Creek	7560	3/27	32	5.4	5.7	--
Meadow Lake	9100	3/27	56	13.1	24.5	20.4*
Schwartz Lake	8500	3/28	42	9.6	17.2	12.9*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	3/28	10.8	10.0	10.2
Lookout	5250	48	11.0	3/30	7.6	8.6	8.5
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	3/30	4.1	4.2	6.1
Lemhi River							
Above Gilmore	8200	60	5.4	3/27	3.3	4.1	2.8
Meadow Lake	9100	48	4.4	3/27	2.1	2.4	2.4

MIDDLE SNAKE RIVER BASIN
NORTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

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MIDDLE SNAKE RIVER BASIN NORTHSIDE

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
LITTLE LOST RIVER						
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600
BIG LOST RIVER						
13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2A	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700
BIG WOOD RIVER						
15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100
LITTLE WOOD RIVER						
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500
FISH CREEK						
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000
BOISE RIVER						
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710
CANYON CREEK						
15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550
PAYETTE RIVER						
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200
WEISER RIVER						
16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230
MANN CREEK						
16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

LITTLE LOST RIVER

Fairview Guard Station	6750	3/29	16	3.8	T	4.3*
Lost Garfield	6600	3/29	15	3.4	2.6	3.0*
Moonshine	7450	3/29	36	7.6	13.0	13.0*
Sawmill Canyon	6900	3/29	28	7.0	8.9	9.2*
Swauger Lake (A)	9050	4/4	54	14.3	9.7	--
Wet Creek Summit	7600	3/29	39	9.6	16.1	11.7*

BIG LOST RIVER

Bear Canyon	7920	3/30	50	13.5	17.4	18.0*
Cherry Creek Pass (A)	8900	3/30	9	2.3	T	--
Copper Basin	7650	3/30	26	7.1	6.7	9.6
#Doublespring Pass (A)	8400	4/4	37	8.8	13.4	--
Dry Fork (A)	7340	3/30	51	13.8	15.6	--
Fishpole Lake (A)	9350	3/30	58	17.2	18.5	--
Grasshopper (A)	8400	3/30	43	11.1	12.4	--
Iron Bog	7650	3/28	39	10.1	11.2	14.0*
Leadbelt	6800	3/28	30	6.8	4.7	9.1*
#Leatherman Pass (A)	9800	4/4	72	19.1	30.4	--
Lost-Wood Divide (A)	7900	3/30	56	16.6	31.6	23.2*
Mammoth Canyon (A)	8300	3/30	24	6.6	3.6	--
North Fork Meadow (A)	8150	3/30	35	9.4	11.4	--
Sage Creek (A)	7800	4/4	27	6.4	13.4	--
Stickney Mill	7500	3/29	30	8.0	8.8	9.3
White Knob	7700	3/27	38	9.9	11.8	8.9*

FISH CREEK

#Dry Fork (A)	7340	3/30	51	13.8	15.6	--
Iron Mine Creek	6370	3/29	34	9.5	6.1	9.4*
Telfer Ranch	6000	3/29	21	7.0	0.0	5.6*

LITTLE WOOD RIVER

#Bear Canyon	7920	3/30	50	13.5	17.4	18.0*
Garfield Ranger Station	6554	3/30	32	9.7	5.2	9.3
Muldoon	6300	3/30	21	7.0	0.0	6.5
Porcupine (A)	8350	3/30	44	13.4	17.8	--
Swede Peak	7650	3/30	48	14.6	16.0	16.7*

BIG WOOD RIVER

Camas Creeks Divide	5720	3/28	31	8.9	8.5	--
#Couch Summit	6950	3/26	48	14.8	17.8	17.9*
Dollarhide Summit	8620	4/2	55	17.9	35.2	26.5*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
Galena	7300	3/27	44	13.2	23.4	19.3
Galena Summit	8795	3/27	58	17.2	31.6	23.9
Graham Ranch	6200	3/27	36	10.5	12.5	13.1
#Lost-Wood Divide (A)	7900	3/30	56	16.6	31.6	23.2*
Mascot Mine	7900	3/28	38	10.2	13.4	14.5
Mount Baldy	9000	4/2	57	16.0	23.8	20.7
#Porcupine (A)	8350	3/30	44	13.4	17.8	--
Soldier Ranger Station	6100	3/26	24	8.2	5.8	9.2
#Vienna Mine	8900	3/29	72	26.1	51.4	37.0
CANYON CREEK						
Bennett Mountain	6650	3/28	45	13.2	27.5	17.2*
#Camas Creeks Divide	5720	3/28	31	8.9	8.5	--
#Danskin (A)	5650	3/29	27	7.7	15.1	--
Dixie Hill	5230	3/28	0	0.0	0.0	--
Little Camas Flat	4950	3/28	14	4.1	0.0	--
Long Tom (A)	4550	3/29	0	0.0	0.0	--
#Willow Creek Cabin (A)	4710	3/29	0	0.0	0.0	--
BOISE RIVER						
Atlanta Summit	7500	3/30	71	26.5	46.9	35.1*
Bad Bear	5500	3/30	21	7.2	23.9	13.5*
#Bennett Mountain	6650	3/28	45	13.2	27.5	17.2*
#Bogus Basin	6120	3/28	53	19.0	34.2	22.7
Bogus Basin Road	5360	3/28	0	0.0	0.0	2.0*
#Camas Creeks Divide	5720	3/28	31	8.9	8.5	--
Couch Summit	6950	3/26	48	14.8	17.8	17.9*
Danskin (A)	5650	3/29	27	7.7	15.1	--
Deadman Gulch	5600	3/29	28	9.4	23.2	15.1*
#Dixie Hill	5230	3/28	0	0.0	0.0	--
#Dollarhide Summit	8620	4/2	55	17.9	35.2	26.5*
Jackson Peak	7000	3/30	72	25.5	44.6	32.1*
#Little Camas Flat	4950	3/28	14	4.1	0.0	--
#Long Tom (A)	4550	3/29	0	0.0	0.0	--
Moores Creek Summit	6100	3/30	67	24.2	48.0	31.9
Prairie	4900	3/29	0	0.0	3.9	2.1
Road Creek (A)	5550	3/29	11	3.8	13.1	9.2
#Soldier Ranger Station	6100	3/26	24	8.2	5.8	9.2
Trinity Mountain	7780	3/30	84	33.9	54.0	43.3
#Vienna Mine	8900	3/29	72	26.1	51.4	37.0
Willow Creek Cabin (A)	4710	3/29	0	0.0	0.0	--
PAYETTE RIVER						
#Big Creek Summit	6600	3/30	76	26.4	46.9	36.6
Bogus Basin	6120	3/28	53	19.0	34.2	22.7
#Brundage Mountain	7560	3/29	100	38.5	56.4	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Cozy Cove	5900	3/28	32	10.7	16.2	15.6
Crawford Ranger Station	4300	3/30	0	0.0	0.0	6.7
#Deadman Gulch	5600	3/29	28	9.4	23.2	15.1*
Deadwood Airstrip	5440	3/28	28	9.0	15.1	14.0*
Deadwood Dam	5290	3/28	31	9.9	18.8	17.0
Deadwood Summit	7000	3/30	96	38.6	54.6	46.1*
Greenfield Flat (A)	7370	3/29	97	39.0	--	--
High Valley Summit	5170	3/29	30	10.7	15.3	10.6*
#Jackson Peak	7000	3/30	72	25.5	44.6	32.1*
Lake Fork	6000	3/28	35	11.7	18.5	16.0
#Mica Ridge (A)	6800	3/29	82	28.5	--	--
Rock Flat Summit	5200	3/29	42	13.2	20.9	18.2
Secesh Summit	6600	3/26	85	30.2	44.2	--
Silver Creek Ridge (A)	5700	3/29	35	11.8	15.4	--
#Squaw Flat (A)	6230	3/29	63	21.9	--	--
Squaw Meadow	5800	3/24	88	30.8	46.2	38.7*
Tripod Summit	5200	3/30	41	14.7	23.1	17.6*
WEISER RIVER						
Boulder Creek	5500	3/27	50	18.6	26.4	23.6
Mica Ridge (A)	6800	3/29	82	28.5	--	--
Placer Creek	6000	3/29	55	17.7	23.7	16.8
Squaw Flat (A)	6230	3/29	63	21.9	--	--
MANN CREEK						
Mann Creek	5980	3/30	61	23.0	31.1	--
Robinson Creek Ridge	6220	3/30	48	19.4	21.4	--
Sturgill Ridge	6680	3/30	67	27.6	40.3	--
Thorson Cabin	5320	3/30	37	13.3	15.9	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Wet Creek Summit	8175	48	17.1	3/29	12.4	13.5	13.0
BIG WOOD RIVER							
Galena	7300	48	10.1	3/27	5.8	7.2	7.9
Galena Summit	8795	48	5.8	3/27	Frozen	1.8	Frozen

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Boy Scout Camp	7600	3/29	63	19.9	20.2	14.8*
Clear Creek Mdws. Utah	9050	3/29	84	25.5	26.0	21.0*
George Peak	9000	3/29	109	36.0	31.2	--
Howell Canyon	8000	3/29	77	25.9	46.8	24.1
One Mile Summit Utah	7330	3/29	37	9.6	8.2	7.8*
Sheep Hollow	6200	3/29	38	11.2	4.0	4.3*
Sublett	6000	3/29	38	11.3	17.1	9.8
Summit Springs	6400	3/29	38	13.0	13.5	8.3*
GOOSE CREEK						
Badger Gulch	6660	3/29	41	13.6	19.9	11.8
Bostetter Rgr. Sta.	7500	3/29	63	21.0	32.8	18.4
Vi Pont	7670	3/29	56	18.0	23.0	--
SALMON FALLS CREEK						
#Bear Creek Nev.	7800	3/30	73	22.8	25.1	19.1
Cedar Creek	7000	3/30	37	11.2	14.6	10.5*
Deadline	6900	3/29	68	26.0	41.3	21.7*
#Fox Creek Nev.	6800	3/30	39	11.7	8.2	8.9*
Goat Creek Nev.	8800	3/30	67	20.2	21.7	18.3*
#Hummingbird Spgs. Nev.	8945	3/30	77	24.2	31.4	22.0*
Magic Mountain	6700	3/29	60	21.4	33.1	17.5
#Pole Creek R. S. Nev.	8330	3/30	74	23.4	25.9	19.7*
Red Point Nev.	7940	3/30	49	14.7	13.1	10.2*
Shoshone Basin	5740	3/29	17	6.7	--	2.5*
Wilson Creek	7500	3/30	48	14.3	16.0	11.8*
BRUNEAU RIVER						
Bear Creek Nev.	7800	3/30	73	22.8	25.1	19.1
Fox Creek Nev.	6800	3/30	39	11.7	8.2	8.9*
Hummingbird Springs Nev.	8945	3/30	77	24.2	31.4	22.0*
Pole Creek R. S. Nev.	8330	3/30	74	23.4	25.9	19.7*
#Seventy-six Creek Nev.	7100	3/30	37	12.1	16.4	10.9*
OWYHEE RIVER						
Antelope Ridge	5900	3/28	18	6.7	9.5	4.0*
Battle Creek (A)	5700	3/30	3	0.8	0.0	--
#Bear Creek Nev.	7800	3/30	73	22.8	25.1	19.1
Bull Basin (A)	5600	3/30	0	0.0	T	--
#Fox Creek Nev.	6800	3/30	39	11.7	8.2	8.9*
Hyde Pasture (A)	5800	3/30	3	0.8	3.8	--

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USDA-SCS-PORTLAND, OREG. 1971

MIDDLE SNAKE RIVER BASIN
SOUTHSIDE

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
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MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
13G15p	I	Black Pine Canyon	28	15S	29E	7100
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13G11m	I	Bridge	7	15S	27E	4750
13G13m	I	Chatburn Ranch	4	12S	25E	4700
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13G6m	I	Conner Pass	35	12S	25E	5700
13G7m	I	Cottrell Point	24	10S	25E	4490
13G10m	I	Elba-Almo Summit	29	14S	25E	5690
13H4sp	U	George Peak	4	13N	14W	9000
13G8m	I	Heglar	19	11S	28E	4590
13G1MP	I	Howell Canyon	2	13S	24E	8000
13G12m	I	Moulton	27	16S	23E	5950
13G14p	I	Near Almo	35	15S	24E	5200
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	5400

GOOSE - TRAPPER CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
14G7m	I	Trapper Creek	2	15S	20E	5300
13H3ap	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
14G5A	I	Cedar Creek	25	15S	13E	000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14H1	N	Jakes Creek	6	42N	62E	7000
14G2	I	Magic Mountain	14	14S	18E	6700
15G1m	I	Patrick Ranch	23	15S	12E	5720
15H18a	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2a	I	Wilson Creek	24	16S	12E	7500

BRUNEAU RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
15H1MAP	N	Bear Creek	31	46N	58E	7800
15G3p	I	Cat Creek Airport	9	16S	6E	5700
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8945
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330
15G4p	I	Sailor Creek Divide	21	10S	10E	4350

OWYHEE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	17S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
17G2m	O	Blue Mountain Pass (Basque)	4	38S	42E	5290
16G10a	I	Bull Basin	19	12S	5W	5600
18G3m	O	Folly Farm Summit	8	30S	38E	4450
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Paature	SE¼ 31	8S	2W	5800
16H4	N	Jacka Peak	28	42N	53E	8420
17G3m	O	Jordan Valley	2	30S	46E	4390
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4MA	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE ANO SOIL MOISTURE STATION.
10J7A	SNOW COURSE ANO AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE ANO PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average [b]
Mud Flat		5500	3/28	12	4.8	3.0	4.2*
Red Canyon (A)		6650	3/30	20	6.8	6.8	--
#Seventy-six Creek	Nev.	7100	3/30	37	12.1	16.4	10.9*
Silver City		6400	4/3	33	10.5	26.0	14.4*
South Mountain		6340	3/29	29	9.4	19.0	10.9
Succor Creek (A)		6100	3/30	10	3.4	4.6	--
Triangle (A)		5150	3/30	0	0.0	0.0	--
Vaught Ranch (A)		5950	3/30	3	0.8	0.0	--
War Eagle (A)		7700	3/30	68	25.1	31.7	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Howell Canyon	8000	48	11.5	3/29	8.8	7.6	9.9
Sublett	6000	36	7.0	3/29	5.1	6.8	6.3
GOOSE CREEK							
Badger Gulch	6660	36	7.0	3/29	6.1	6.5[m]	7.0
SALMON FALLS CREEK							
Deadline	6900	36	7.4	3/29	7.1	--	7.4
Patrick Ranch	5720	36	7.7	3/30	6.9	7.0[m]	6.9
Pole Creek R. S.	8330	48	9.7	3/30	7.8	8.0[m]	9.0
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	3/30	10.4	11.0[m]	16.5
OWYHEE RIVER							
Mud Flat	5500	48	12.8	3/28	11.2	14.0[m]	14.4

m - March Measurement

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
UPPER SNAKE RIVER BASIN							
CAMAS-BEAVER CREEKS							
Blue Ledge Mine		6700	3/29	45	14.7	14.2	15.1
Camp Creek		6800	3/28	33	8.7	9.9	9.0
Kilgore		6200	3/29	34	9.7	8.9	8.9
MEDICINE LODGE CREEK							
Irving Creek		7035	4/2	24	5.3	5.3	4.2*
Webber Creek		6700	4/2	27	5.3	7.0	4.5*
HENRYS FORK RIVER							
Big Springs		6500	3/30	53	18.1	27.1	20.8
Big Springs (New)		6500	3/30	53	17.4	--	--
Black Canyon		7850	3/26	83	30.6	37.6	34.6*
Black Canyon (New)		7850	3/26	85	31.4	--	--
Black Moose		8125	3/26	89	36.2	44.6	40.4*
Grassy Lake	Wyo.	7230	3/28	83	29.8	45.9	34.3
Island Park		6315	3/30	43	13.2	16.3	15.6
Island Park (New)		6315	3/30	45	13.7	--	--
Latham Springs		7650	3/26	82	31.4	36.0	33.5*
Latham Springs (New)		7650	3/26	83	31.4	--	--
Lucky Dog		6900	3/26	64	22.8	29.6	24.8*
Lucky Dog (New)		6900	3/26	52	18.8	--	--
Sawtelle Mountain		8715	3/30	87	29.3	40.3	--
Targhee Pass		7000	3/30	41	10.5	16.5	14.3*
Valley View		6500	3/30	39	10.8	17.6	15.9
White Elephant		7700	3/30	63	21.0	--	--
TETON RIVER							
Darby Canyon	Wyo.	8250	4/3	63	22.9	--	--
Freds Mountain	Wyo.	8000	4/3	63	22.3	31.3	--
Garns Mountain		8300	4/3	104	40.4	--	--
Indian Meadows	Wyo.	8200	4/3	88	33.3	--	--
Jackpine Creek	Wyo.	7500	4/3	61	20.6	--	--
McRenold Reservoir		6800	4/3	56	18.9	--	--
Miles Creek	Wyo.	7500	4/3	39	13.0	--	--
Phillips Bench	Wyo.	8200	4/2	69	24.5	--	--
Pine Creek Pass		6750	4/3	48	16.4	21.9	17.3*
State Line		6400	4/3	42	13.1	18.2	14.7
Teton Pass U. S.	Wyo.	8500	4/2	68	24.0	--	--
WILLOW CREEK							
Aspen Grove		6600	4/3	42	12.5	16.8	--
Birch Creek		6800	4/3	34	10.4	18.4	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

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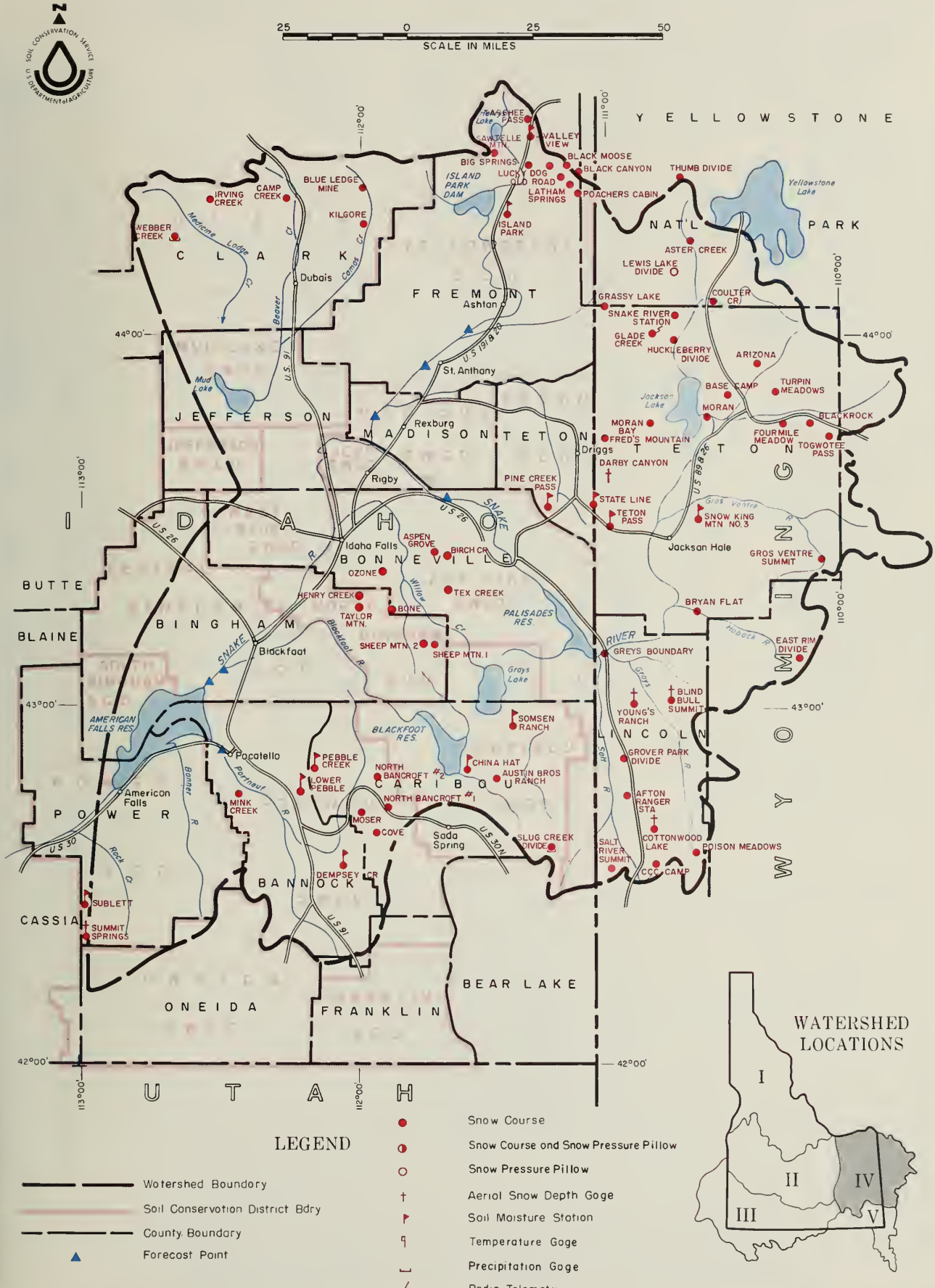
UPPER SNAKE RIVER BASIN



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UPPER SNAKE RIVER BASIN

SNAKE RIVER - WYOMING

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530

HENRYS FORK RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E15	I	Old Road	12	13N	44E	7250
11E17	I	Poacher's Cabin	11	13N	45E	8000
11E32	I	Sawtelle Mountain	7	14N	43E	8715
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500

TETON RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
10F21a	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8000
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6400
10F13M	Wy	Teton Pass	24	41N	118W	8500

CAMAS - BEAVER CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200

MEDICINE LODGE CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700

WILLOW CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F8	I	Bone	29	1S	40E	6200
11F4	I	Ozone	14	1N	39E	5800
11F9	I	Sheep Mountain I	33	2S	41E	6450
11F11	I	Sheep Mountain II	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700

SAND CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11F6	I	Henry Creek	7	1S	39E	5650
11F7	I	Taylor Mountain	19	1S	39E	6500

BLACKFOOT RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G2M	I	China Hat	17	7S	42E	6300
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000

PORTNEUF RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
11G25	I	Cove	21	9S	39E	5525
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
11G24	I	Moser	20	8S	39E	5950
11G23	I	North Bancroft #1	15	8S	39E	5460
11G22	I	North Bancroft #2	27	7S	39E	5430
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
Bone	6200	4/2	29	8.2	5.3	--
Ozone	5800	3/30	12	3.4	0.0	--
Sheep Mountain	6510	4/2	46	14.5	15.9	--
Tex Creek	6700	4/3	37	9.9	11.5	--
SAND CREEK						
Henry Creek	5650	4/3	16	5.0	0.0	--
Taylor Mountain	6500	4/2	37	11.0	15.9	--
BLACKFOOT RIVER						
Austin Bros. Ranch	6450	3/28	35	9.8	8.0	8.0*
Slug Creek Divide	7225	3/31	51	16.5	21.8	15.4
Somsen Ranch	7000	3/28	51	14.4	18.7	11.6*
PORTNEUF RIVER						
Cove	5525	3/29	27	8.7	0.0	--
Dempsey Creek	6280	3/28	45	12.8	17.0	10.8*
Lower Pebble	5800	3/29	38	11.5	20.5	--
Mink Creek	6300	3/28	55	17.0	21.5	14.0
Moser	5950	3/29	32	8.0	5.5	--
North Bancroft #1	5460	3/29	23	7.2	0.0	--
North Bancroft #2	5430	3/29	15	4.5	0.0	--
Pebble Creek	6550	3/29	46	15.0	20.6	13.4

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	3/30	8.5	9.1	8.4
Valley View	6500	48	13.3	3/30	6.2	9.6	7.2
TETON RIVER							
Pine Creek Pass	6750	48	13.3	2/26	10.2[m]	14.5	12.2
State Line	6400	48	14.8	2/26	13.4[m]	14.9	14.3
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	3/29	8.5	7.6[m]	8.5
Pebble Creek	6550	48	7.2	3/29	6.6	5.6[m]	6.5

m - March Measurement

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	3/28	70	22.6	33.1	22.9
Emigration Canyon	6500	3/28	40	10.6	11.6	9.6
Montpelier Creek						
Giveout	6840	3/27	47	11.5	19.0	12.6*
Little Beaver	6970	3/27	51	13.0	27.5	15.6*
Lower Home Canyon	7500	3/28	46	11.4	19.9	--
Montpelier Creek	6570	3/27	32	7.5	12.1	8.0*
Upper Home Canyon	8500	3/28	65	19.4	33.0	--
Whiskey Flat	6985	3/27	36	8.5	14.1	8.9*
Mink Creek						
Christensen Ranch	5600	3/30	34	10.6	0.9	7.2*
Dry Basin (A)	7900	4/3	84	27.4	30.4	--
#Emigrant Summit	7350	3/28	70	22.6	33.1	22.9
Horseshoe Basin (A)	8000	4/3	69	24.9	27.3	--
Liberty Spring	8600	3/30	100	32.6	47.0	36.2*
Strawberry Creek	5800	3/30	42	13.9	7.3	10.1*
Strawberry Mink Divide	6800	3/30	67	24.2	24.7	20.1*
Cub River						
Cub River R. S.	5400	3/29	28	9.0	0.0	6.4*
#Franklin Basin	8000	3/26	66	21.2	35.4	26.8
Willow Flat	6100	3/29	44	15.0	11.5	13.4*
MALAD RIVER						
Cliff Canyon	7200	3/30	36	10.6	14.7	--
Daniels Creek	6400	3/30	30	9.4	2.5	--
Dry Creek Flat	6350	3/29	36	13.9	0.0	3.7*
Lower Elkhorn	6850	3/29	43	14.6	14.3	--
Oxford Mountain	6800	3/29	38	12.2	6.5	7.7*
Upper Elkhorn	7100	3/29	63	19.8	26.0	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	3/28	6.4	7.4	6.8
Strawberry Creek	5800	48	12.7	3/30	8.2	12.2	12.6
Montpelier Creek							
Jenson Ranch	6580	48	18.7	3/27	Frozen	11.5	8.3

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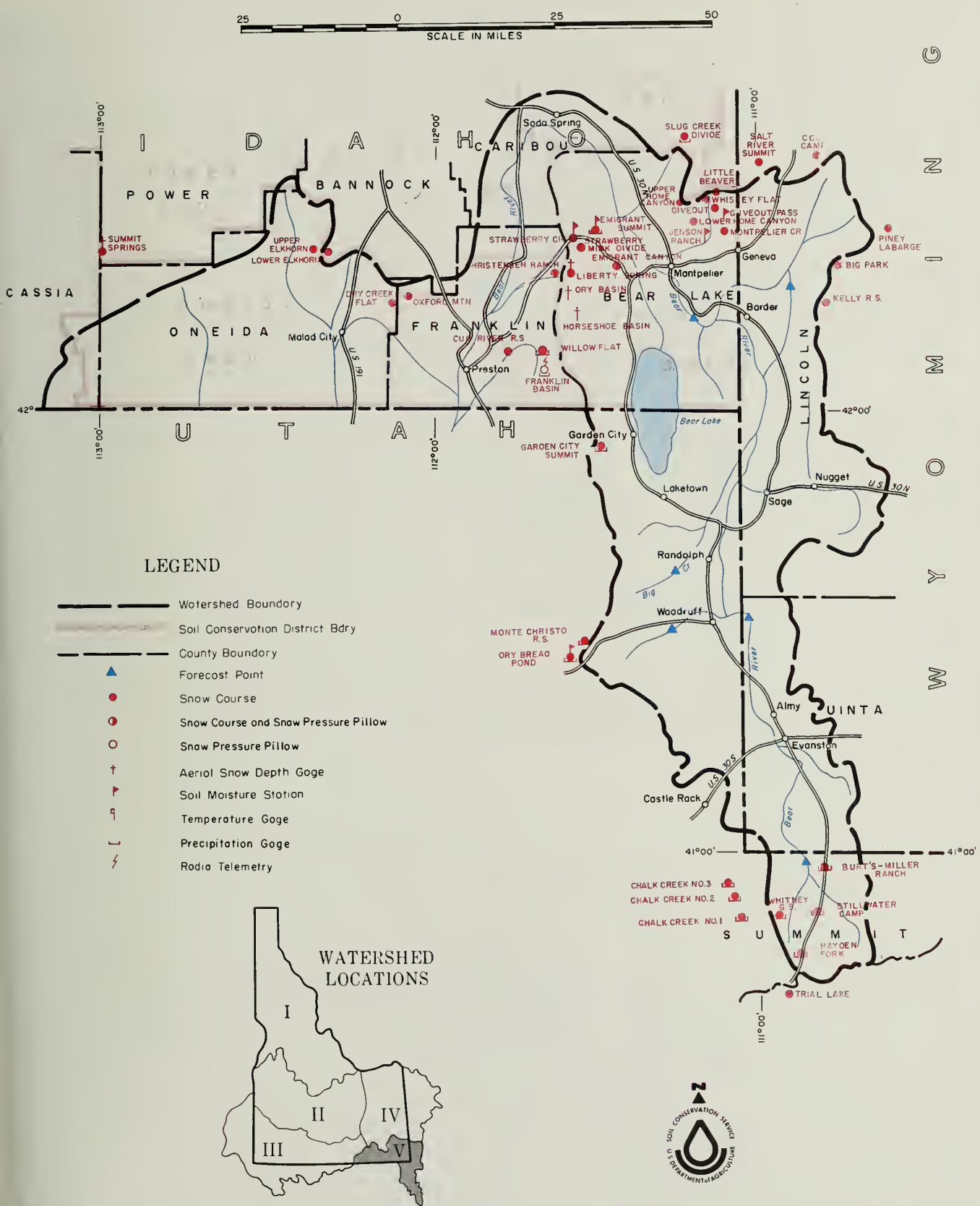
GREAT BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

SOIL CONSERVATION SERVICE
U.S. DEPARTMENT of AGRICULTURE

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
		GREAT BASIN				
		BEAR RIVER				
10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300
		MONTPELIER CREEK				
11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985
		MINK CREEK				
11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800
		CUB RIVER				
11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100
		MALAD RIVER				
12G4	I	Dry Creek Flat	31	13S	37E	6350
12G11	I	Lower Elkhorn	30	12S	36E	6850
12G3	I	Oxford Mountain	32	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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WATER SUPPLY OUTLOOK FOR IDAHO

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MAY 22 1973
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAY 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U. S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

COVER PHOTO NUMBER ORC-286-4

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WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C.

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
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Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
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BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR MAY 1, 1973

Precipitation at all elevations throughout the state was below normal during April. Snow-water equivalent as measured near May 1 ranges from below average for the northern tributary watersheds of the Snake River to critically low on north Idaho drainages. The southern tributary watersheds range from normal to above average.

April temperatures in general were above normal throughout the state. Soil moisture is below normal at lower elevations, near average at middle elevations and below normal at high elevations where snowmelt has not started significantly. The combination of warm temperatures, poor soil moisture, and deficient precipitation has resulted in earlier than normal reservoir releases to meet irrigation demands. Storage in irrigation reservoirs remains good to excellent; however, the early drawdown for irrigation could adversely affect late season supplies on some drainages.

The combination of below average snow-water equivalent, deficient April precipitation and warm temperatures has resulted in a general reduction in the forecasts for seasonal streamflow. Reductions range from one to ten percent, with forecasts varying from a low of 48% of average for the Spokane at Post Falls to 112% of normal for Inflow to Oakley Reservoir.

RESERVOIR STORAGE (1,000 Ac. Ft.)

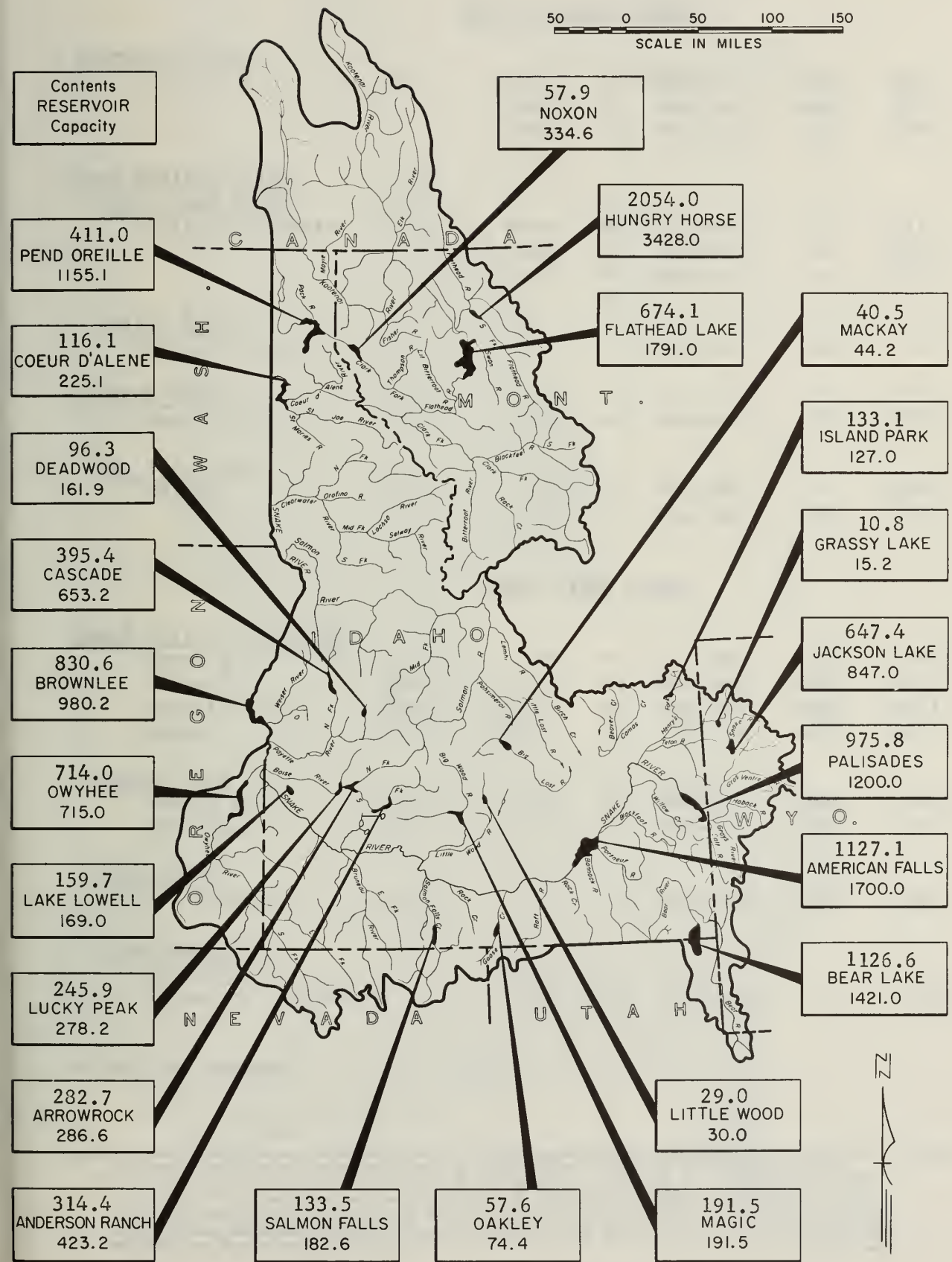
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2054.0	1255.0	1974.0*
Flathead	1791.0	674.1	976.2	933.7
Pend Oreille	1155.1	411.0	346.0	493.8
Noxon	334.6	57.9	181.5	144.9*
Spokane				
Coeur d'Alene	225.1	116.1	208.7	286.6
SNAKE BASIN				
Snake				
Jackson Lake	847.0	647.4	500.6	438.8
Palisades	1200.0	975.8	199.0	803.4*
American Falls	1700.0	1127.1	1649.9	1664.3
Island Park	127.0	133.1	136.4	133.1
Grassy Lake	15.2	10.8	14.7	11.5
Brownlee	980.2	830.6	21.2	515.2*
Goose-Trapper Creeks				
Oakley	74.4	57.6	50.0	24.3
Salmon Falls Creek				
Salmon Falls	182.6	133.5	148.4	46.9
Big Lost				
Mackay	44.2	40.5	31.5	33.5
Big Wood				
Magic	191.5	191.5	191.5	167.7
Little Wood				
Little Wood	30.0	29.0	29.9	21.5*
Fish Creek				
Carey Valley	14.4	11.2	13.9	--
Boise				
Anderson Ranch	423.2	314.4	253.6	284.4
Arrowrock	286.6	282.7	142.3	230.7
Lucky Peak	278.2	245.9	55.6	147.3*
Lake Lowell (Deer Flat)	169.0	159.7	153.1	156.3
Owyhee				
Owyhee	715.0	714.0	708.5	531.9
Payette				
Cascade	653.2	395.4	218.3	327.8
Deadwood	161.9	96.3	86.0	89.1
Weiser				
Mann Creek	11.1	11.3	10.5	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1126.6	1204.1	951.9

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1973



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	6850	82	May-Sep	10299	8397
		5900	81	May-Jul	8961	7271
		4500	79	May-Jun	7056	5662
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	8100	66	May-Sep	--	12313
		7100	64	May-Jul	--	11112
		5900	64	May-Jun	--	9278
Priest River						
Priest River 1/	(nr)	470	65	May-Jul	802	721
SPOKANE RIVER						
Post Falls 2/	(at)	1010	48	May-Sep	3071	2110
St. Joe River						
Calder	(at)	500	48	May-Sep	--	1040
		470	48	May-Jul	1501	974
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	678	80	Apr-Sep	1131	800
Heise 4/	(nr)	2760	81	May-Sep	4870	3410
Blackfoot 5/	(nr)	2850	81	May-Jul	4548	3521
Weiser	(at)	3250	65	May-Sep	6219	5002
Henrys Fork						
Ashton 6/	(nr)	475	93	May-Sep	680	513
Rexburg 7/	(nr)	1035	94	May-Sep	1622	1100
Teton River						
St. Anthony	(nr)	340	96	May-Sep	520	353
Blackfoot River						
Blackfoot Reservoir Inflow		102	100	Apr-Sep	--	102*

*1948-1962 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

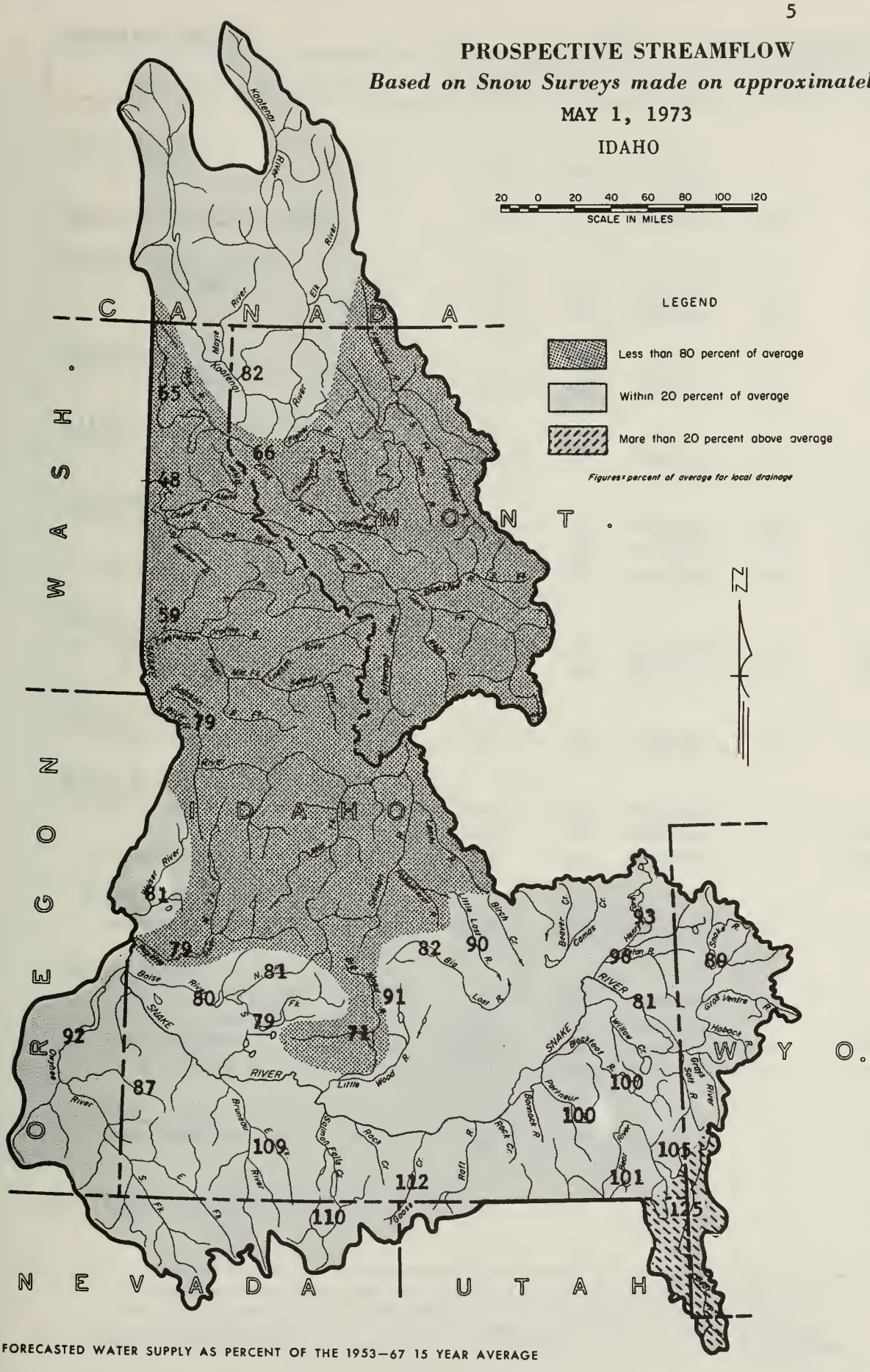
+ 1953-1967 period.

PROSPECTIVE STREAMFLOW

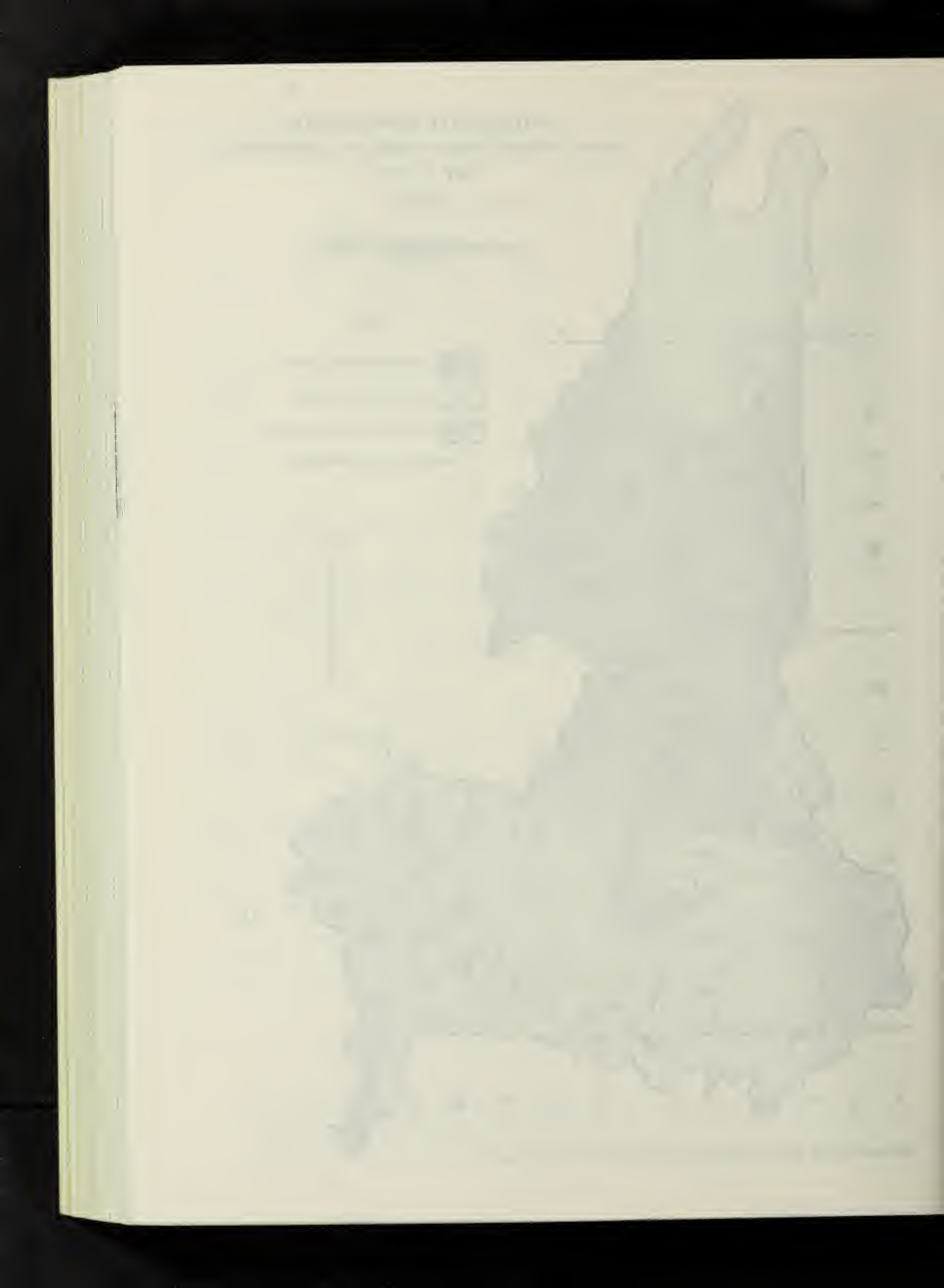
Based on Snow Surveys made on approximately

MAY 1, 1973

IDAHO



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953—67 15 YEAR AVERAGE



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Portneuf River						
Topaz	(at)	56	100	May-Sep	--	56.2
Oakley Reservoir Inflow		17.5	112	May-Sep	34.4	15.6
Salmon Falls Creek						
San Jacinto	(nr)	51	110	May-Sep	69	46.3
		48	112	May-Jul	64	43.0
Bruneau River						
Hot Springs	(nr)	155	109	May-Sep	--	142
Little Lost River						
Howe	(nr)	27.5	90	May-Sep	--	30.6
Big Lost River						
Howell Ranch	(at)	155	83	May-Sep	187	186
		110	86	May-Jun	139	128
Mackay 1/	(nr)	130	82	May-Sep	164	159
Big Wood River						
Magic Reservoir		130	71	May-Sep	222	184
Inflow 2/		115	72	May-Jul	207	161
Little Wood River						
High Five Creek	(ab)	57	91	May-Sep	53	63
Boise River						
Twin Springs	(nr)	480	81	May-Sep	--	594
		445	82	May-Jul	--	542
Boise 3/	(nr)	985	80	May-Sep	--	1230
South Fork						
Anderson Dam 4/	(at)	360	77	May-Sep	--	468
Owyhee River						
Gold Cr., Nev. 5/	(nr)	11	137	May-Jul	--	8
Owyhee, Nev. 5/	(nr)	45	118	May-Jul	--	38
Lake Owyhee		167	93	May-Sep	200	179
net inflow 6/		147	92	May-Jul	176	160
Jordan Creek						
Lone Tree Creek	(ab)	42	87	May-Jul	--	48.3*

*1955-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

+ 1953-1967 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	1190	79	May-Sep	--	1510
Banks 2/	(nr)	650	80	May-Jul	--	816
North Fork						
Cascade 3/	(at)	360	79	May-Sep	--	458
Banks 3/	(nr)	450	78	May-Sep	--	574
Weiser River						
Weiser ab. Crane Creek 4/		215	81	May-Sep	--	267
Salmon River						
Whitebird	(at)	4890	79	May-Sep	--	6190
Clearwater River						
Spalding	(at)	4025	59	May-Sep	8856	6824
GREAT BASIN						
BEAR RIVER						
Harer	(at)	225	125	May-Sep	--	180
Montpelier Creek						
Montpelier	(nr)	9.1	105	May-Sep	--	8.7
Cub River						
Preston	(nr)	44	101	May-Sep	59.3	43.7*

*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1953-1967 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Spring April 1973		Fall - Winter Nov. 72 - Apr. 73	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	1.00	-0.56	12.82	-2.86
Flathead	1.03	-0.65	7.24	-4.57
Clark Fork	0.41	-0.67	3.27	-2.28
Pend Oreille-Spokane	1.17	-1.16	14.42	-6.16
Upper Snake	1.41	-0.38	9.89	-1.93
Snake River Plain	0.59	-0.40	5.46	+0.16
Salmon-Payette-Boise	0.93	-0.78	10.18	-2.66
Clearwater	0.80	-2.02	11.49	-4.94
Owyhee-Malheur	0.56	-0.31	5.56	-0.49

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1953-67) drainage division average.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	5/2	87	43.3	96.1	--
Halverson Creek	4850	5/2	58	28.8	64.8	--
Smith Creek	4800	5/1	72	33.4	59.8	49.4
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	5/1	0	0.0	0.0	0.0
Benton Spring	4900	5/1	21	9.4	19.2	17.1
#Mosquito Ridge (A)	5110	5/1	48	20.6	--	39.2*
#Mosquito Ridge (SP)	5110	5/1	--	23.0	47.0	--
Schweitzer Bowl	4500	5/1	28	12.7	32.7	--
Schweitzer Ridge	6100	5/1	83	36.7	57.8	--
HAYDEN LAKE						
Chilco Ridge	3650	4/27	0	0.0	--	--
Conie Creek Ridge	3900	4/27	0	0.0	--	--
Corner Creek	3150	4/27	0	0.0	--	--
Sage Creek Saddle	4100	4/27	0	0.0	--	--
Ulrich Creek	2800	4/27	0	0.0	--	--
SPOKANE RIVER						
Above Burke	4100	5/1	9	3.0	32.1	--
Copper Ridge	4800	4/30	0	0.0	40.3	27.8
#Forty-nine Meadows	5000	4/25	25	10.0	42.6	30.6*
Fourth of July Summit	3100	5/1	0	0.0	0.0	--
Granite Peak	6000	4/25	73	30.9	--	--
Kellogg Peak (A)	5560	5/1	32	13.8	--	--
Lookout	5250	5/1	39	16.8	54.0	36.7
#Lost Lake	6000	4/25	86	35.6	84.7	62.7*
Lower Sands Creek	3400	4/30	0	0.0	28.0	14.6
Medicine Ridge	6150	4/25	76	31.2	74.7	--
Mosquito Ridge (A)	5110	5/1	48	20.6	--	39.2*
Mosquito Ridge (SP)	5110	5/1	--	23.0	47.0	--
Roland Summit (A)	5200	5/1	30	12.9	--	--
Sherwin	3200	4/27	0	0.0	18.4	--
Sunset (A)	5600	5/1	39	16.8	--	--
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	4/27	0	0.0	0.0	0.0*
East Twin	4050	4/27	0	0.0	0.0	2.1*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Howard Creek	3450	4/27	0	0.0	0.0	0.0*
Moscow Mountain	4400	4/27	T	T	20.1	11.6*
West Twin	4250	4/27	0	0.0	0.0	0.0*
CLEARWATER RIVER						
Anderson Butte (A)	6800	4/30	72	32.4	61.4	--
Anderson Ridge (A)	5400	4/30	17	7.5	27.7	--
Buck Meadows	5600	4/30	40	16.2	54.2	--
Cayuse Airstrip	3700	4/26	0	0.0	0.0	0.9*
Coolwater Mountain	6200	4/26	60	24.4	62.5	30.6*
Coolwater Mountain (R)	6200	4/27	--	20.1	--	--
Coolwater Mountain (SP)	6200	4/26	--	15.2	51.2	--
Crater Meadows	6100	4/26	66	32.0	73.9	47.2*
Crooked Fork	3600	4/30	0	0.0	13.7	--
Elk Butte	5550	4/25	38	16.3	49.3	35.8*
Elk Mountain	7500	4/30	75	35.3	74.4	--
Fish Lake Airstrip	5000	4/26	55	24.4	67.1	42.2*
Forty-nine Meadows	5000	4/25	25	10.0	42.6	30.6*
Goat Lake	6600	4/26	84	36.9	73.1	--
#Granite Peak	6000	4/25	75	30.9	--	--
Hemlock Butte	5500	4/25	87	35.8	82.2	53.9*
Hemlock Butte (SP)	5500	4/25	--	31.1	98.1	--
#Hoodoo Basin Mont.	6000	5/1	78	34.8	88.0	55.8
#Hoodoo Basin (SP) Mont.	6000	5/1	--	32.1	84.3	--
#Hoodoo Creek Mont.	5900	5/1	75	31.6	85.9	52.0*
Horse Creek #1 (A)	5500	4/30	11	4.7	--	--
Horse Creek #2 (A)	5100	4/30	27	10.8	39.2	--
Horse Creek Helispot	4100	4/30	0	0.0	26.0	--
Lolo Pass	5250	4/30	33	13.5	51.9	32.7*
Lost Lake	6000	4/25	86	35.6	84.7	62.7*
Meadow Creek Lookout (A)	7000	4/30	51	23.0	51.4	--
#Medicine Ridge	6150	4/25	76	31.2	74.7	--
Mill Site (SP)	6700	4/30	53	21.8	51.0	--
Mountain Meadows	6300	4/30	42	16.4	39.8	--
#Nez Perce Pass Mont.	6575	4/27	29	10.7	28.0	13.9
Orogrande Mountain	7800	4/26	81	30.1	59.1	48.0*
Orogrande Mountain (R)	7800	4/27	--	27.6	57.9	--
Pierce Ranger Station	3170	5/1	0	0.0	6.3	1.9*
Powell Ranger Station	3410	4/30	0	0.0	6.6	--
Savage Pass	6160	4/30	44	17.2	44.1	--
Savage Pass (New)	6160	4/30	46	17.4	--	--
Shanghai Summit	4600	4/25	26	12.0	42.0	24.0*
SALMON RIVER						
Big Creek Summit	6600	4/25	67	26.2	50.8	36.1
#Boulder Creek	5500	4/30	17	8.2	21.4	15.9*
Brundage Mountain	7560	4/26	88	38.5	61.9	--
#Deadwood Summit	7000	5/2	70	33.5	58.8	46.3*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
#Galena Summit		8795	4/30	52	18.1	33.8	24.5
#Gibbons Pass	Mont.	7100	4/30	51	20.2	36.6	23.1
Mill Creek Summit		8870	4/30	50	16.4	32.2	--
Moose Creek		6200	4/27	36	11.8	24.0	12.3*
Morgan Creek		7580	4/30	28	9.6	15.9	14.2*
#Rock Flat Summit		5200	4/26	27	10.2	22.2	15.7*
#Secesh Summit		6600	4/26	66	28.5	47.3	--
#Squaw Meadow		5800	4/26	62	28.0	47.8	36.0*
Vienna Mine		8900	5/2	65	27.7	54.7	38.5*
Lemhi River							
Above Gilmore		8200	5/1	27	8.0	13.3	--
Meadow Lake		9100	5/1	51	16.6	27.0	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	5/1	10.2	10.0	10.2
Lookout	5250	48	11.0	5/1	8.4	8.5	9.2
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	4/30	3.4	3.8	5.5
Lemhi River							
Above Gilmore	8200	60	5.4	5/1	2.6	4.2	2.9
Meadow Lake	9100	48	4.4	5/1	2.1	2.5	2.4

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Wet Creek Summit	7600	4/30	30	9.0	--	--
BIG LOST RIVER						
Bear Canyon	7920		Delayed		16.4	--
Copper Basin	7650		Delayed		4.8	--
Iron Bog	7650	4/27	12	4.2	--	--
Leadbelt	6800	4/27	T	T	--	--
Stickney Mill	7500	5/4	10	3.1	3.3	--
LITTLE WOOD RIVER						
#Bear Canyon	7920		Delayed		16.4	--
Garfield Ranger Station	6554	4/27	T	T	--	--
Muldoon	6300	4/27	0	0.0	--	--
Swede Peak	7650	4/27	34	13.0	14.6	14.6*
BIG WOOD RIVER						
#Couch Summit	6950	4/26	27	11.4	15.9	11.4*
Galena	7300	4/30	24	8.8	20.6	14.6
Galena Summit	8795	4/30	52	18.1	33.8	24.5
Graham Ranch	6200	4/30	9	3.2	7.2	--
Mascot Mine	7900	5/1	25	8.8	13.3	--
Mount Baldy	9000	5/2	50	16.4	26.6	21.8
Soldier Ranger Station	6100	4/26	0	0.0	--	--
#Vienna Mine	8900	5/2	65	27.7	54.7	38.5*
BOISE RIVER						
Atlanta Summit	7500	4/30	65	28.9	49.9	35.4*
Bad Bear	5500	5/2	0	0.0	17.3	4.1*
#Bogus Basin	6120	5/2	30	13.3	36.2	22.0
Bogus Basin Road	5360	5/2	0	0.0	--	0.0*
Couch Summit	6950	4/26	27	11.4	15.9	11.4*
Jackson Peak	7000	5/2	58	25.4	44.7	32.9*
Moores Creek Summit	6100	5/2	51	22.2	49.0	29.7
#Soldier Ranger Station	6100	4/26	0	0.0	--	--
Trinity Mountain	7780	4/30	74	33.6	61.4	42.9*
#Vienna Mine	8900	5/2	65	27.7	54.7	38.5*

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average 6
PAYETTE RIVER						
#Big Creek Summit	6600	4/25	67	26.2	50.8	36.1
Bogus Basin	6120	5/2	30	13.3	36.2	22.0
#Brundage Mountain	7560	4/26	88	38.5	61.9	--
Cozy Cove	5900	4/27	11	4.4	12.9	8.6
Crawford Rgr. Sta.	4800	4/25	0	0.0	0.0	0.0*
Deadwood Airstrip	5440	4/27	T	T	10.1	6.4*
Deadwood Dam	5290	4/27	7	2.6	13.8	11.2
Deadwood Summit	7000	5/2	70	33.5	58.8	46.3*
#Jackson Peak (A)	7000	5/2	58	25.4	44.7	32.9*
Lake Fork	6000	4/26	19	6.2	18.2	--
Rock Flat Summit	5200	4/26	27	10.2	22.2	15.7*
Secesh Summit	6600	4/26	66	28.5	47.3	--
Squaw Meadow	5800	4/26	62	28.0	47.8	36.0*
WEISER RIVER						
Boulder Creek	5500	4/30	17	8.2	21.4	15.9*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BIG WOOD RIVER							
Galena	7300	48	10.1	4/30	9.1	8.8	8.6
Galena Summit	8795	48	5.8	4/30	1.7	1.8	Frozen

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Howell Canyon	8000	5/1	58	25.2	43.6	--
GOOSE CREEK						
Badger Gulch	6660	5/1	24	9.4	15.3	--
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	4/25	73	27.8	24.0	19.4*
Cedar Creek (A)	7000	4/25	12	5.4	T	2.1*
Deadline	6900	4/26	51	23.0	35.6	18.1*
Goat Creek Nev.	8800	4/26	58	21.2	26.5	18.2*
#Hummingbird Spgs.(A) Nev.	8945	4/25	73	27.8	42.4	22.8*
Magic Mountain	6700	4/26	44	18.6	30.1	14.5*
#Pole Creek R. S. Nev.	8330	4/26	63	24.0	28.4	21.6*
Red Point (A) Nev.	7940	4/25	22	8.4	8.4	9.0*
Wilson Creek (A)	7500	4/25	24	9.1	5.2	--
BRUNEAU RIVER						
Bear Creek (A) Nev.	7800	4/25	73	27.8	24.0	19.4*
Hummingbird Spgs.(A) Nev.	8945	4/25	73	27.8	42.4	22.8*
Pole Creek R. S. Nev.	8330	4/26	63	24.0	28.4	21.6*
OWYHEE RIVER						
Antelope Ridge	5900	5/1	0	0.0	--	--
#Bear Creek Nev.	7800	4/25	73	27.8	24.0	19.4*
Mud Flat	5500	5/1	0	0.0	--	--
Silver City	6400	5/1	11	4.7	21.5	6.7*
South Mountain	6340	4/30	8	2.8	12.8	--

*(b) 1953-67, 15 year periad. #Nat lacated directly an this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water cantent estimated. (SP) Pressure Pillaw snaw-water equivalent. (R) Radiaactive Gage snaw-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Howell Canyon	8000	48	11.5	5/1	9.3	8.0	10.4
GOOSE CREEK							
Badger Gulch	6660	36	7.0	5/1	6.5	7.3	7.3
SALMON FALLS CREEK							
Deadline	6900	36	7.4	4/26	7.8	--	7.5
Patrick Ranch	5720	36	7.7	4/26	6.7	--	8.6
Pole Creek R. S.	8330	48	9.7	4/26	8.1	--	9.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
UPPER SNAKE RIVER BASIN						
HENRYS FORK RIVER						
Big Springs	6500	4/30	40	16.6	19.8	17.0*
Big Springs (New)	6500	4/30	38	14.5	--	--
Black Canyon	7850	4/25	83	34.3	47.6	--
Black Canyon (New)	7850	4/25	86	33.8	--	--
Black Moose	8125	4/25	96	38.2	53.6	--
Grassy Lake Wyo.	7230	4/30	72	31.0	45.3	32.6
Island Park	6315	4/30	21	8.1	7.0	9.7*
Island Park (New)	6315	4/30	25	9.0	--	--
Latham Springs	7650	4/25	82	34.2	40.4	--
Latham Springs (New)	7650	4/25	85	33.8	--	--
Lucky Dog	6900	4/25	60	23.6	29.2	--
Lucky Dog (New)	6900	4/25	44	17.7	--	--
Sawtelle Mountain	8715	4/30	90	33.5	43.7	--
Targhee Pass	7000	4/30	31	9.6	16.9	14.0*
Valley View	6500	4/30	25	8.0	12.8	13.0*
White Elephant	7700	4/30	63	24.6	--	--
TETON RIVER						
Darby Canyon (A) Wyo.	8250	4/27	67	23.1	--	--
Freds Mountain Wyo.	8000	4/27	62	22.7	32.9	--
Garns Mountain Wyo.	8300		Delayed		--	--
Indian Meadows Wyo.	8200		Delayed		--	--
Jackpine Creek Wyo.	7500	4/27	58	22.1	--	--
McRenold Reservoir	6800	4/27	49	18.6	--	--
Miles Creek Wyo.	7500	4/27	32	12.0	--	--
Phillips Bench	8200	4/27	66	23.8	--	--
Pine Creek Pass	6750	4/27	38	15.6	15.3	11.0*
State Line	6400	4/27	33	12.2	10.7	8.5
Teton Pass W.S. Wyo.	8400	4/27	71	27.1	--	--
BLACKFOOT RIVER						
Slug Creek Divide	7225	4/27	37	14.8	19.6	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	4/30	9.5	9.6	9.2
Valley View	6500	48	13.3	4/30	7.6	11.7	11.8

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	4/26	59	23.8	32.1	21.5*
Montpelier Creek						
Giveout	6840	4/26	30	10.8	11.6	--
Little Beaver	6970	4/26	36	12.8	21.9	--
Lower Home Canyon	7500	4/26	34	11.0	--	--
Montpelier Creek	6570	4/26	11	3.7	--	--
Upper Home Canyon	8500	4/26	63	21.5	--	--
Whiskey Flat	6985	4/26	20	6.9	3.5	--
Mink Creek						
Christensen Ranch	5600	4/30	0	0.0	0.0	0.0*
#Emigrant Summit	7350	4/26	59	23.8	32.1	21.5*
Liberty Spring	8600	4/30	95	36.9	53.0	39.4*
Strawberry Creek	5800	4/30	16	5.9	0.0	2.1*
Strawberry Mink Divide	6800	4/30	48	19.8	19.2	14.1*
Cub River						
Cub River R. S.	5400	5/1	0	0.0	0.0	0.0*
Willow Flat	6100	5/1	15	5.6	0.0	3.3*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.4	4/26	6.6	7.7	7.3
Strawberry Creek	5800	48	12.7	4/30	12.6	12.3	12.9
Montpelier Creek							
Giveout Pass	7025	36	9.4	4/26	4.3	7.5	7.6
Jenson Ranch	6580	48	18.7	4/26	13.1	16.1	17.9

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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304 N. 8TH ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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AT URBANA-CHAMPAIGN

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JUNE 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

COVER PHOTO NUMBER ORC-286-4

USDA SCS PORTLAND, OREG 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
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In Cooperation with

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DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

JUNE 1, 1973

SNOW SURVEYS, SUPPLEMENTAL MEASUREMENTS AND CORRECTIONS

Snow surveys made near the first of June indicate a continuation of the dry cycle experienced throughout the 1972-73 winter season. Measurements are the lowest of record for some courses and near the lowest on the remainder. Spring precipitation has been well below normal without any storms heavy enough to significantly increase streamflow. Temperatures in general have been normal to above normal resulting in early snowmelt even at high elevations.

As a result of early snowmelt and lack of spring precipitation, it now appears that practically all rivers will flow less than the forecasts of May 1.

Reservoir storage was good at the beginning of the season but will be reduced significantly by the end of this irrigation season.

This report carries supplemental and corrected measurements made earlier in the season.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6

JUNE 1, 1973 MEASUREMENTS

Atlanta Summit	7500	6/1	16	7.3	35.3	--
Big Creek Summit	6600	5/30	14	7.3	31.4	--
Brundage Mountain	7560	5/29	32	15.5	45.8	--
Coolwater Mountain	6200	5/30	0	0.0	--	--
Crater Meadows	6100	5/30	5	2.8	56.4	--
Deadwood Summit	7000	5/30	24	12.4	36.9	--
Darby Canyon	8250	6/6	0	0.0	--	--
Elk Butte	5550	5/29	0	0.0	36.6	--
Freds Mountain	8000	6/6	0	0.0	--	--
Galena Summit	8795	6/6	T	T	23.2	--
Garns Mountain	8300	6/6	23	12.5	--	--
Goat Lake	6600	5/30	32	15.3	56.0	--
Granite Peak	6000	5/29	20	10.1	57.4	--
Hemlock Butte	5500	5/29	20	10.9	58.0	--
Indian Meadows	8200	6/6	27	14.4	--	--
Jackpine Creek	7500	6/6	0	0.0	--	--
Jackson Peak	7000	5/31	0	0.0	25.4	--
Kellogg Peak (A)	5560	5/29	0	0.0	--	--
Lookout	5250	5/30	0	0.0	25.3	--
Lost Lake	6000	5/29	28	13.1	83.0	--
McRenold Reservoir	6800	6/6	0	0.0	--	--
Medicine Ridge	6150	5/29	21	10.6	61.0	--
Miles Creek	7500	6/6	0	0.0	--	--
Moores Creek Summit	6100	5/31	0	0.0	20.8	6.8
Orogrande Mountain	7800	5/30	40	18.1	49.2	--
Pine Creek Pass	6750	6/4	0	0.0	--	--
Roland Summit (A)	5200	5/29	0	0.0	--	--
Schweitzer Bowl	4500	5/29	0	0.0	0.0	--
Schweitzer Ridge	6100	5/29	38	19.2	34.8	--
Secesh Summit	6600	5/31	7	3.4	--	--
Squaw Meadow	5800	5/31	0	0.0	17.5	--
State Line	6400	6/4	0	0.0	--	--
Trinity Mountain	7780	6/1	18	8.8	42.9	--
Vienna Mine	8900	6/1	25	12.8	46.8	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average [b]
SUPPLEMENTAL MEASUREMENTS						
DECEMBER 1, 1972						
Emigrant Summit	7350	11/29	20	4.0	6.6	--
Giveout	6840	11/28	16	3.0	3.0	--
Somsen Ranch	7000	11/30	15	2.0	4.3	--
Willow Flat	6100	11/30	12	2.1	--	--
DECEMBER 15, 1972						
Mosquito Ridge	5110	12/18	31	6.6	--	--
Pierce Ranger Station	3170	12/15	7	1.0	8.1	--
JANUARY 1, 1973						
Buck Meadows	5600	1/8	42	12.0	--	--
Mountain Meadows	6300	1/8	40	10.4	--	--
Silver Creek Ridge	5700	1/5	29	7.0	--	--
JANUARY 15, 1973						
Mount Baldy	9000	1/14	32	7.4	13.5	--
Pierce Ranger Station	3170	1/16	10	2.0	15.5	--
FEBRUARY 15, 1973						
Galena	7300	2/15	44	11.4	19.4	--
Galena Summit	8795	2/15	50	13.4	24.2	--
Mount Baldy	9000	2/15	50	12.2	18.0	15.4
Pierce Ranger Station	3170	2/15	20	4.4	19.8	9.4
MARCH 15, 1973						
Above Burke	4100	3/16	34	10.6	--	--
Bogus Basin	6120	3/21	58	18.2	--	--
Fourth of July Summit	3100	3/15	6	2.6	9.4	--
Galena	7300	3/15	44	13.0	24.8	--
Galena Summit	8795	3/15	54	15.6	31.2	--
Lookout	5250	3/15	63	20.0	53.8	36.2
Mount Baldy	9000	3/14	51	14.3	24.5	19.0
Pierce Ranger Station	3170	3/15	16	4.7	23.4	11.4
Prairie	4900	3/15	2	0.8	8.6	--
Sherwin	3200	3/15	17	3.7	22.8	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA SCS PORTLAND OREG 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)

SUPPLEMENTAL MEASUREMENTS

APRIL 15, 1973

Fourth of July Summit	3100	4/16	0	0.0	--	--
Galena	7300	4/17	34	12.5	23.5	--
Galena Summit	8795	4/17	59	18.6	34.6	--
Lookout	5250	4/16	50	19.2	57.1	--
Mount Baldy	9000	4/15	55	16.8	--	--
Pierce Ranger Station	3170	4/13	1	0.3	16.0	5.0
Prairie	4900	4/15	0	0.0	0.0	--

MAY 1, 1973

Bear Canyon	7920	5/9	28	10.1	16.4	--
Copper Basin	7650	5/9	0	0.0	4.8	--
Garns Mountain	8300	5/11	81	37.3	--	--
Indian Meadows	8200	5/11	78	34.3	--	--

MAY 15, 1973

Galena	7300	5/15	T	T	9.0	--
Galena Summit	8795	5/15	36	15.0	30.6	--
Lookout	5250	5/15	21	9.2	47.0	--
Mosquito Ridge	5110	5/17	23	10.0	--	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND 0000 1971

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6

CORRECTIONS TO PREVIOUSLY PUBLISHED 1973 DATA

JANUARY 1, 1973						
Deadwood Summit	7000	1/3	70	19.5	21.0	--
Island Park (New)	6315	1/5	29	5.2	--	--
Lower Sands Creek	3400	12/27	10	3.5	--	--
FEBRUARY 1, 1973						
Dixie Hill	5230	1/31	5	1.1	6.3	--
Horse Creek Helispot	4100	1/30	19	5.0	--	--
Sage Creek Saddle	4100	1/29	23	6.0	--	--
MARCH 1, 1973						
Island Park (New)	6315	2/28	43	12.0	--	--
Mountain Meadows	6300	3/6	47	14.4	32.7	--
Savage Pass (Old)	6160	2/26	50	16.5	36.4	24.9*
APRIL 1, 1973						
Copper Ridge	4800	3/29	32	11.5	38.6	31.1
Elk Mountain	7500	3/30	89	38.0	71.7	--
Mud Flat	5500	3/28	12	4.7	3.0	4.2*
Webber Creek	6700	4/2	27	5.8	7.0	4.5*
MAY 1, 1973						
Stickney Mill	7500	5/4	10	3.2	3.3	--

*(b) 1953-67, 15 year period. #Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS-PORTLAND, OREG. 1971

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
ROOM 345
304 N. 8TH ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JAN. 1, 1974

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA SCS PORTLAND, OREG 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

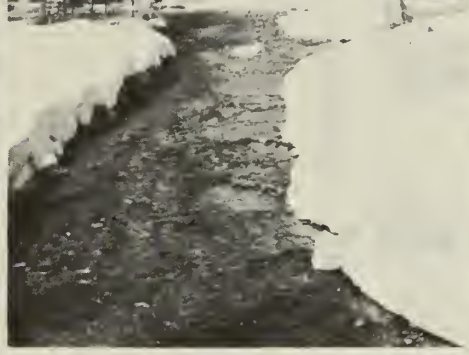
R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Snow Survey Supervisor
and
MARION O. CARSTENS, Statistical Assistant

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR JANUARY 1, 1974

The winter season of 1973-74 got off to a good start in October with very heavy precipitation and snowfall accumulation continuing through December. As of January 1, 1974 the snowpack was above normal on all watersheds in Idaho, ranging from 116% of average on the Camas-Beaver Creek drainages to a high of 220 percent of normal on the Weiser River watershed.

Due to heavy rain during October and November, soil moisture is good to excellent throughout the state.

Reservoir storage, though below average in general, picked up from the heavy rain following the end of the irrigation season, and appears satisfactory at this time.

Based on January 1 conditions, the outlook for water supply in 1974 is considered good to excellent throughout Idaho.

COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Pend Oreille River	28	148	128
Clark Fork River	23	151	127
Flathead River	5	140	134
Priest River	4	250	161
Spokane River	1-3	224	116
LOWER SNAKE RIVER BASIN			
Clearwater River	4-15	181	133
Salmon River	10	197	169
MIDDLE SNAKE RIVER BASIN - Northside			
Big Lost River	1	155	164
Little Wood River	2-3	189	114
Big Wood River	5	220	153
Boise River	6	134	170
Payette River	9	207	173
Weiser River	1	220	220
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	1	198	210
Salmon Falls Creek	7	98	132
Bruneau River	3	99	124
Owyhee River - Idaho	3	209	194
UPPER SNAKE RIVER BASIN			
Camas-Beaver Creeks	2	163	116
Henrys Fork River	4-7	160	133
Teton River	2-4	137	129
GREAT BASIN			
Montpelier Creek	4	107	120

RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2604.0	2641.0	2766.0
Flathead	1791.0	1386.0	1399.0	1423.0
Pend Oreille	1155.1	326.5	322.9	431.2
Noxon	334.6	295.4	323.4	325.5
Spokane				
Coeur d'Alene	225.1	182.0	148.4	138.2
SNAKE BASIN				
Snake				
Jackson Lake	847.0	633.5	615.8	531.5
Palisades	1200.0	936.5	987.4	751.3
American Falls	1700.0	825.9	1085.4	448.4
Island Park	127.0	90.4	83.0	82.0
Grassy Lake	15.2	10.3	10.1	9.6
Brownlee	980.2	941.3	784.3	792.7*
Goose-Trapper Creeks				
Oakley	74.4	39.5	41.6	12.6
Salmon Falls Creek				
Salmon Falls	182.6	71.7	92.9	25.5
Big Lost				
Mackay	44.2	20.0	30.9	27.7
Big Wood				
Magic	191.5	45.9	109.0	88.5
Little Wood				
Little Wood	30.0	11.2	14.6	11.6
Fish Creek				
Carey Valley	14.4	3.7	1.9	--
Boise				
Anderson Ranch	423.2	236.4	320.9	278.0
Arrowrock	286.6	176.2	272.8	204.9
Lucky Peak	278.2	46.0	38.0	60.3
Lake Lowell (Deer Flat)	169.0	105.9	114.4	106.3
Owyhee				
Owyhee	715.0	434.6	510.8	406.8
Payette				
Cascade	653.2	342.6	375.8	354.0
Deadwood	161.9	21.5	84.5	68.0
Weiser				
Mann Creek	11.1	6.5	3.3	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1109.1	1135.6	944.4

*Period of Record.

USDA-SCS PORTLAND OREGON-1974 M7-L-22023R

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	1/2	15	3.0	T	3.5
Benton Spring	4900	12/31	46	14.3	5.8	8.4
Schweitzer Bowl	4500	12/28	84	24.8	9.7	14.3*
Schweitzer Ridge	6100	12/28	107	34.8	15.3	21.6*
SPOKANE RIVER						
Above Burke	4100	12/28	48	9.8	5.1	--
Lookout	5250	12/28	79	18.1	10.5	15.6
Sherwin	3200	12/31	39	10.0	1.3	--
Sherwin (SP)	3200	12/31	--	9.3	1.0	--
CLEARWATER RIVER						
Buck Meadows	5600	1/4	61	20.6	12.0	--
Cayuse Airstrip	3700	1/2	36	8.5	0.8	5.7*
Coolwater Mountain (SP)	6200	1/2	--	15.7	8.6	--
Cottonwood Butte	5140	1/3	31	7.6	3.0	--
Crater Meadows	6100	1/2	78	22.9	16.3	--
Crooked Fork	3600	12/28	42	8.2	2.5	--
Fish Lake Airstrip	5000	1/2	79	20.7	13.6	17.6*
Hemlock Butte	5500	1/2	100	29.7	19.3	--
Hemlock Butte (SP)	5500	1/2	--	26.8	18.3	--
#Hoodoo Basin Mont.	6000	1/3	95	30.0	18.1	20.8
#Hoodoo Creek Mont.	5900	1/3	87	24.9	17.1	18.9
Lolo Pass	5250	12/27	62	15.2	10.6	--
Lower Snowhaven	5250	12/28	43	10.8	4.0	--
Pierce Ranger Station	3170	1/5	30	8.0	2.0	4.5
Powell Ranger Station	3410	12/28	36	7.0	2.0	--
Savage Pass	6160	1/2	52	13.0	9.0	--
Savage Pass (New)	6160	1/2	55	13.2	9.5	--
Shanghai Summit	4600	1/2	61	17.2	7.1	--
Upper Snowhaven	5600	12/28	39	11.2	4.6	--
SALMON RIVER						
Big Creek Summit	6600	12/27	81	22.9	12.6	13.8*
#Boulder Creek	5500	12/27	80	21.6	9.8	9.8*
Brundage Mountain	7560	12/28	106	36.8	14.5	18.3*
#Deadwood Summit	7000	1/2	113	35.2	19.5	22.0*
#Galena Summit	8795	12/26	56	16.4	7.5	10.4
#Gibbons Pass Mont.	7100	12/26	47	11.5	8.3	9.5
Mill Creek Summit	8870	1/2	52	16.0	7.3	10.6*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aeriol observation ‖ater content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [6]
Moose Creek	6200	12/28	46	9.7	7.2	5.6*
Morgan Creek	7580	1/2	35	8.3	4.8	5.9*
#Rock Flat Summit	5200	12/28	51	12.5	5.2	6.8
#Secesh Summit	6600	12/26	90	27.3	14.0	--
#Squaw Meadow	5800	1/4	84	28.7	14.3	--
Twin Peaks (A)	10300	1/2	57	17.6	--	--
Lemhi River						
Above Gilmore (A)	8200	1/2	27	5.3	2.7	--
Aspen-Hall Pass (A)	8110	1/2	29	5.9	4.1	--
Copes Camp	7500	1/2	22	4.5	3.0	--
Hall Creek	7560	1/2	18	3.4	2.5	--
Meadow Lake (A)	9100	1/2	51	13.5	6.1	--
Schwartz Lake (A)	8500	1/2	34	9.0	3.8	--

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	10/1	3.2*	9.2	10.1
Lookout	5250	48	11.0	12/28	8.6	5.2	6.8
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	1/2	4.6	3.3	4.6
Lemhi River							
Above Gilmore	8200	60	5.4	10/31	3.5*	3.4	4.0
Meadow Lake	9100	48	4.4	10/31	2.6*	2.1	2.4

*Fall Measurement

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Goge snow-water equivalent.*

USDA SCS PORTLAND OREGON 1974 M7-0-22023P

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

BIG LOST RIVER						
White Knob	7700	12/28	26	5.9	3.8	3.6
LITTLE WOOD RIVER						
Garfield Rgr. Sta.	6554	12/27	25	5.2	2.6	4.4*
Muldoon	6300	12/27	17	3.5	2.2	3.2*
Swede Peak	7650	12/27	41	10.8	5.5	--
BIG WOOD RIVER						
Galena	7300	12/26	49	13.6	5.8	8.0
Galena Summit	8795	12/26	56	16.4	7.5	10.4
Graham Ranch	6200	12/26	32	7.4	3.8	5.6
Mount Baldy	9000	12/29	49	13.0	6.0	8.8
Soldier Rgr. Sta.	6100	12/28	38	7.8	3.4	5.2*
BOISE RIVER						
Atlanta Summit	7500	1/2	85	24.9	11.7	15.3*
Bad Bear	5500	12/27	35	7.8	4.0	6.5*
#Bogus Basin	6120	1/3	58	18.8	7.5	9.3
Bogus Basin Road	5360	1/7	31	7.6	--	2.4*
Moores Creek Summit	6100	12/27	76	20.2	12.3	12.7
#Soldier Rgr. Sta.	6100	12/28	38	7.8	3.4	5.2*
Trinity Mountain	7780	1/2	100	32.9	15.3	17.2*
PAYETTE RIVER						
#Big Creek Summit	6600	12/27	81	22.9	12.6	13.8*
Bogus Basin	6120	1/3	58	18.8	7.5	9.3
#Brundage Mountain	7560	12/28	106	36.8	14.5	18.3*
Cozy Cove	5900	12/31	45	10.8	6.6	6.9
Crawford Rgr. Sta.	4800	12/27	19	4.6	2.4	3.1*
Deadwood Airstrip	5440	12/30	43	10.6	4.3	6.6
Deadwood Dam	5290	12/31	44	10.6	6.1	7.3
Deadwood Summit	7000	1/2	113	35.2	19.5	22.0*
Lake Fork	6000	1/3	43	11.8	5.8	--
Rock Flat Summit	5200	12/28	51	12.5	5.2	6.8
Secesh Summit	6600	12/26	90	27.3	14.0	--
Squaw Meadow	5800	1/4	84	28.7	14.3	--
WEISER RIVER						
Boulder Creek	5500	12/27	80	21.6	9.8	9.8*

*(b) 1958-72, 15 year period. #Not located directly on this drainoge. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radiooctive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
LITTLE LOST RIVER							
Fairview Guard Station	5850	42	7.6	10/31	7.3*	7.4	7.7
Wet Creek Summit	8175	48	17.1	10/31	13.3*	13.2	13.0
BIG WOOD RIVER							
Galena	7300	48	10.1	12/26	7.7	5.2	4.6*
Galena Summit	8795	48	5.8	12/26	1.5	Frozen	1.7*
BOISE RIVER							
Bogus Basin Road	4830	48	7.1	1/7	5.6	2.9	5.0

*Fall Measurement

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE							
RAFT RIVER							
Howell Canyon		8000	1/2	68	20.8	10.5	9.9
SALMON FALLS CREEK							
#Bear Creek (A)	Nev.	7800	12/31	36	9.2	9.8	7.6*
Cedar Creek (A)		7000	12/31	28	6.7	5.9	3.8*
Deadline		6900	12/28	48	11.5	12.6	8.7
Goat Creek	Nev.	8800	12/27	33	8.3	10.1	7.5*
#Hummingbird Spgs.(A)	Nev.	8945	12/31	40	10.8	10.1	8.7*
Magic Mountain		6700	12/28	43	10.9	9.9	6.9
#Pole Creek R. S.	Nev.	8330	12/27	36	9.7	10.2	7.7
Red Point (A)	Nev.	7940	12/31	6	1.6	--	--
Wilson Creek (A)		7500	12/31	24	6.5	7.6	--
BRUNEAU RIVER							
Bear Creek (A)	Nev.	7800	12/31	36	9.2	9.8	7.6*
Hummingbird Springs(A)	Nev.	8945	12/31	40	10.8	10.1	8.7*
Pole Creek R. S.	Nev.	8330	12/27	36	9.7	10.2	7.7
#Seventy-six Creek(A)	Nev.	7100	12/31	30	8.1	6.2	--
OWYHEE RIVER							
Antelope Ridge		5900	12/26	18	3.7	--	--
#Bear Creek (A)	Nev.	7800	12/31	36	9.2	9.8	7.6*
Mud Flat		5500	12/26	18	3.4	--	--
#Seventy-six Cr. (A)	Nev.	7100	12/31	30	8.1	6.2	--
Silver City		6400	1/4	42	12.7	3.4	5.6*
South Mountain		6340	1/3	37	11.2	2.6	3.9*

*(b) 1958-72, 15 year period. #Not located directly on this druinage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
RAFT RIVER							
Conner Pass	5700	36	9.8	10/12	8.4*	8.8	6.4
Howell Canyon	8000	48	11.5	1/2	8.3	8.0*	6.7
Sheep Hollow	6200	36	7.5	10/15	4.8*	2.5*	2.5*
GOOSE CREEK							
Badger Gulch	6660	36	7.0	10/17	5.5*	5.8	5.9
SALMON FALLS CREEK							
Deadline	6900	36	7.4	12/28	6.7	--	5.9
Patrick Ranch	5720	36	7.7	12/27	4.4	--	5.9
Pole Creek R. S.	8330	36	9.7	12/27	8.1	--	8.2
OWYHEE RIVER							
Mud Flat	5500	48	12.8	12/26	11.2	9.9*	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	12/28	33	4.6	3.1	4.3
Kilgore	6200	1/2	25	5.5	3.1	4.4*
HENRYS FORK RIVER						
Big Springs	6500	12/28	51	10.6	7.6	7.8
Grassy Lake Wyo.	7230	12/29	73	18.8	14.5	14.1
Island Park	6315	12/28	43	8.8	5.2	6.1
Sawtelle Mountain	8715	12/28	77	23.4	12.1	--
Targhee Pass	7000	12/28	33	6.3	4.3	--
Valley View	6500	12/28	34	7.4	4.1	6.3
White Elephant	7700	12/28	57	16.1	9.2	--
TETON RIVER						
Darby Canyon Wyo.	8250	1/2	48	13.1	8.3	--
Freds Mountain Wyo.	8000	1/2	56	14.0	10.3	--
Garns Mountain	8300	1/2	66	20.5	--	--
Indian Meadows Wyo.	8200	1/2	72	19.5	--	--
Jackpine Creek Wyo.	7500	1/2	46	12.0	--	--
McRenold Reservoir	6800	1/2	42	10.2	--	--
Miles Creek Wyo.	7500	1/2	34	7.5	--	--
Pine Creek Pass	6750	12/28	43	9.0	7.6	6.6*
State Line	6400	12/28	34	6.7	5.0	5.6
WILLOW CREEK						
Aspen Grove	6600	1/2	31	7.0	--	--
Birch Creek	6800	1/2	25	5.8	--	--
Bone	6200	12/27	17	3.3	3.3	2.6*
Ozone	5800	12/27	8	2.0	0.7	0.9*
Sheep Mountain	6510	12/27	25	5.8	--	--
Tex Creek	6550	1/2	25	4.8	--	--
SAND CREEK						
Henry Creek	5650	12/29	14	2.6	2.1	2.1*
BLACKFOOT RIVER						
Slug Creek Divide	7225	1/2	32	7.4	7.1	--

*(b) 1958-72, 15 year periad. #Nat lacated directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial abservatian Water cantent estimated. (SP) Pressure Pillow snaw-water equivalent. (R) Radiaactive Gage snaw-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
HENRYS FORK RIVER							
Island Park	6315	48	9.9	12/28	10.7	8.4	8.2
Valley View	6500	48	13.3	12/28	9.4	Frozen	7.2
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	11/2	7.3*	7.2	6.8
Pebble Creek	6550	48	7.2	11/2	5.8*	6.3	5.4

*Fall Measurement

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	1/3	54	14.4	9.8	9.6*
Montpelier Creek						
Giveout	6840	1/2	30	6.2	5.4	4.6*
Little Beaver	6970	1/2	34	7.0	6.8	5.4*
Montpelier Creek	6570	1/2	23	4.2	2.8	3.5*
Whiskey Flat	6985	1/2	18	3.6	4.4	3.7*

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	8.2	1/3	6.3	5.4	6.3
Montpelier Creek							
Giveout Pass	7025	36	9.4	1/2	7.5	4.0	--
Jenson Ranch	6580	48	18.7	1/2	11.2	8.2	6.6

*(b) 1958–72, 15 year period. #Nat located directly an this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillaw snow-water equivalent. (R) Radioactive Gage snaw-water equivalent.*

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
ROOM 345
304 N. 8TH ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
FEB. 1, 1974

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

PORTLAND, OREG. 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
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DEPARTMENT OF WATER ADMINISTRATION

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR FEBRUARY 1, 1974

In general, snowpack accumulation thus far in the 1973-74 winter season continues to be above normal. Compared to the 1958 through 1972 base period average, snow-water equivalents as of February 1 range from 94% of normal on the Little Lost River watershed to 164% of average on the Raft River-Goose Creek drainages. Most high elevation courses in northern and southwestern Idaho have a water content equal to or exceeding an April 1 average, and middle elevation courses equal or exceed the March 1 normal. High elevation courses in the eastern and southern part of the state in general have a water content equal to the March 1 average.

Valley precipitation for the period November 1973 through January 1974 has been well above normal throughout the state, ranging from 126% of average in the Snake River Plain to 187% of normal in the Pend Oreille-Spokane division. Soil moisture is good to excellent throughout the state as a result of this heavy precipitation.

Reservoir storage increased during January and, in general is above normal for this time of year. All irrigation reservoirs except Oakley and Salmon Falls are expected to fill by the start of the irrigation season.

The outlook for water supply is good to excellent on the major drainages in the state. Seasonal streamflow forecasts range from 115% of average for the Kootenai River at Leonia to 151% of normal for Bear River at Harer.

COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958–72 AVERAG
UPPER COLUMBIA RIVER BASIN			
Kootenai River	8	147	117
Pend Oreille River	31	171	116
Clark Fork River	24	170	117
Flathead River	7	171	117
Priest River	3	189	144
Spokane River	3-5	233	122
LOWER SNAKE RIVER BASIN			
Clearwater River	5-13	199	136
Salmon River	16	175	134
Lemhi River	6	161	108
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	138	94
Big Lost River	3-6	159	95
Little Wood River	3-4	152	108
Big Wood River	5-6	201	146
Boise River	8	198	140
Payette River	9	178	135
Weiser River	1	195	163
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River - Goose Creek	1	175	164
Salmon Falls Creek	9	107	123
Bruneau River	4	98	115
Owyhee River	5	155	160
Jordan Creek	2	204	138
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	13	166	123
Camas-Beaver Creeks	2	113	99
Henrys Fork River	9-11	160	121
Teton River	2-9	143	122
Willow-Sand Creeks	8	146	131
Blackfoot River	3	109	111
Portneuf River	4	137	128
GREAT BASIN			
Bear River - Lower	9	142	123
Montpelier Creek	4-6	145	103
Mink Creek	4-7	142	132
Cub River	2	141	152
Malad River	4-6	111	123

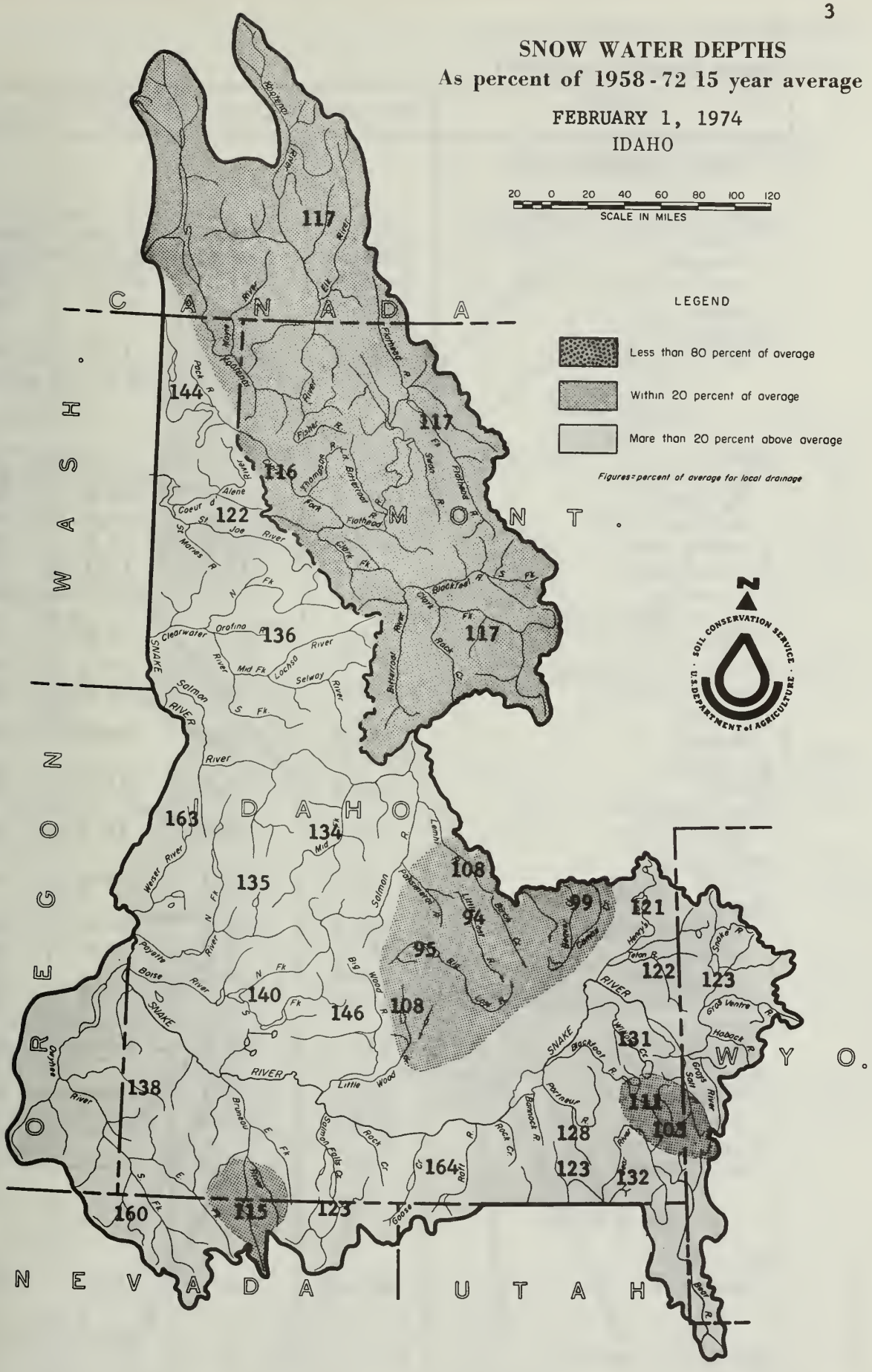
USDA SCS PORTLAND OREGON 1974 M7-L-220230

SNOW WATER DEPTHS

As percent of 1958-72 15 year average

FEBRUARY 1, 1974

IDAHO



RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2508.0	2362.0	2484.0
Flathead	1791.0	1396.0	1223.0	1246.0
Pend Oreille	1155.1	840.5	414.6	438.2
Noxon	334.6	305.6	309.1	320.8
Spokane				
Coeur d'Alene	225.1	386.0	153.3	138.4
SNAKE BASIN				
Snake				
Jackson Lake	847.0	644.3	628.0	540.9
Palisades	1200.0	959.2	968.6	782.1
American Falls	1125.0	1038.3	1080.8	623.6
Island Park	127.0	104.2	95.6	99.9
Grassy Lake	15.2	10.5	10.3	10.0
Brownlee	980.2	735.5	631.7	636.1*
Goose-Trapper Creeks				
Oakley	74.4	41.9	43.9	15.7
Salmon Falls Creek				
Salmon Falls	182.6	74.1	96.7	29.2
Big Lost				
Mackay	44.2	24.8	34.3	29.9
Big Wood				
Magic	191.5	52.8	117.6	92.8
Little Wood				
Little Wood	30.0	13.6	17.7	13.5
Fish Creek				
Carey Valley	14.4	4.7	3.4	--
Boise				
Anderson Ranch	423.2	212.4	296.4	257.1
Arrowrock	286.6	278.7	275.9	240.4
Lucky Peak	278.2	82.5	123.5	92.7
Lake Lowell (Deer Flat)	169.0	113.7	117.9	114.0
Owyhee				
Owyhee	715.0	509.8	565.3	407.7
Payette				
Cascade	653.2	421.7	371.9	342.1
Deadwood	161.9	32.0	89.9	73.8
Weiser				
Mann Creek	11.1	8.3	4.6	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1096.6	1115.4	944.9

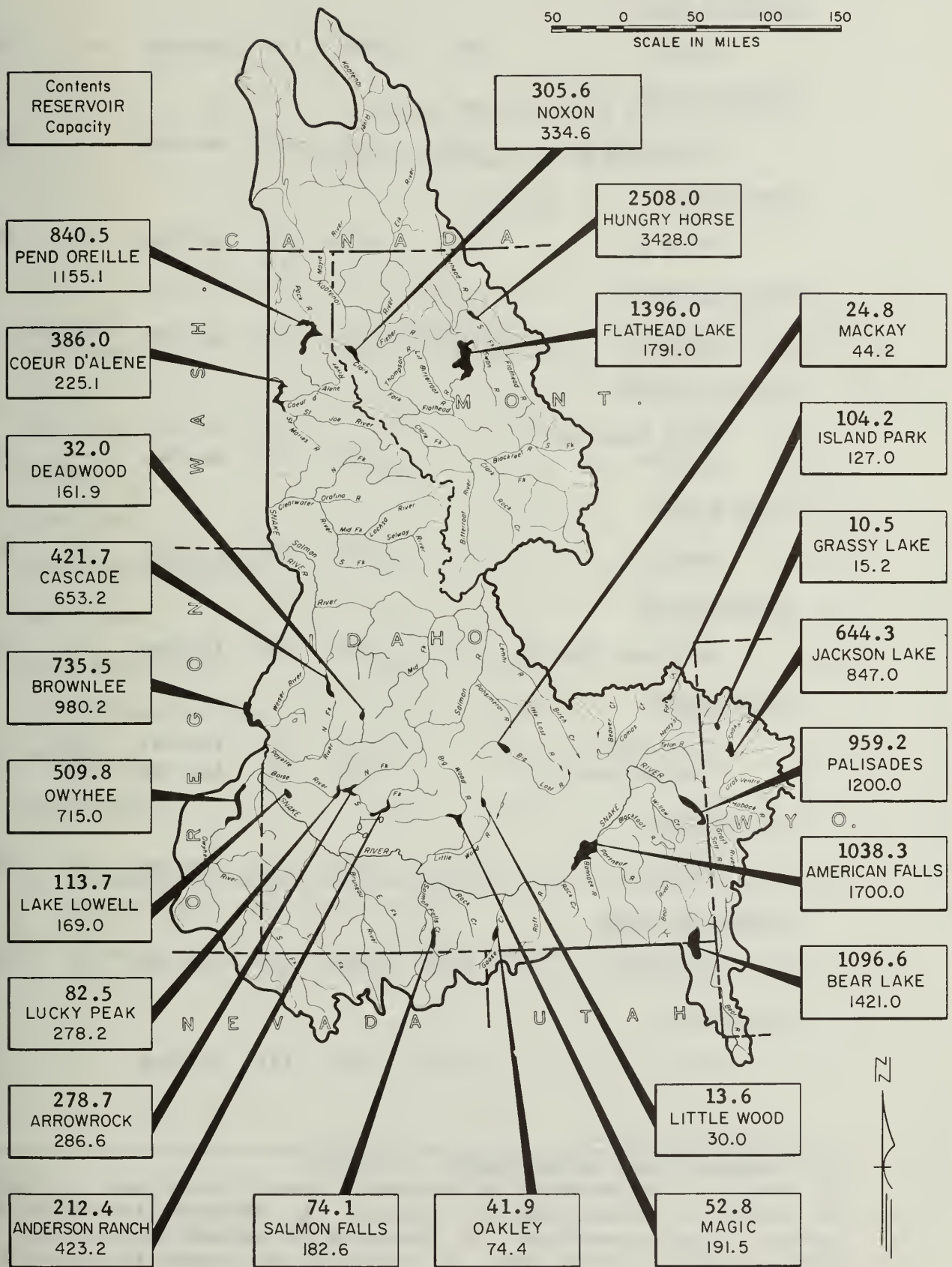
*Period of Record.

USDA SCS PORTLAND OREGON 1974 M7-L-22023R

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1974



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
KOOTENAI RIVER						
Leonia	(at)	10600	115	Apr-Sep	--	9198*
SPOKANE RIVER						
Post Falls 1/	(at)	3800	127	Apr-Sep	--	2983
SNAKE RIVER						
Heise 2/	(nr)	4750	121	Apr-Sep	--	3913
BIG LOST RIVER						
Mackay 3/	(nr)	220	123	Apr-Sep	--	179
BIG WOOD RIVER						
Magic Reservoir Inflow		450	150	Apr-Sep	--	301
BOISE RIVER						
Boise 4/	(nr)	2150	133	Apr-Sep	--	1611
PAYETTE RIVER						
Horseshoe Bend 5/	(nr)	2750	149	Apr-Sep	--	1850
OWYHEE RIVER						
Lake Owyhee		750	147	Feb-Jul	378	510
net inflow 6/		500	151	Apr-Sep	270	332
SALMON RIVER						
Whitebird	(at)	9100	131	Apr-Sep	--	6959
CLEARWATER RIVER						
Spalding	(at)	10000	117	Apr-Sep	--	8514
BEAR RIVER						
Harer	(at)	408	151	Apr-Sep	--	271

*1953-1967 period.

(c) Assuming normal meteorological conditions.
1/ Observed flow corrected for storage in Coeur d'Alene Lake. 2/ Corrected for storage in Jackson Lake and Palisades. 3/ Observed flow corrected for storage in Mackay Reservoir. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Cascade and Deadwood Reservoirs. 6/ U.S.B.R. records of inflow.

USDA SCS PORTLAND OREGON 1974 M7-0-220235

VALLEY PRECIPITATION 1/

Division Averages and Departures

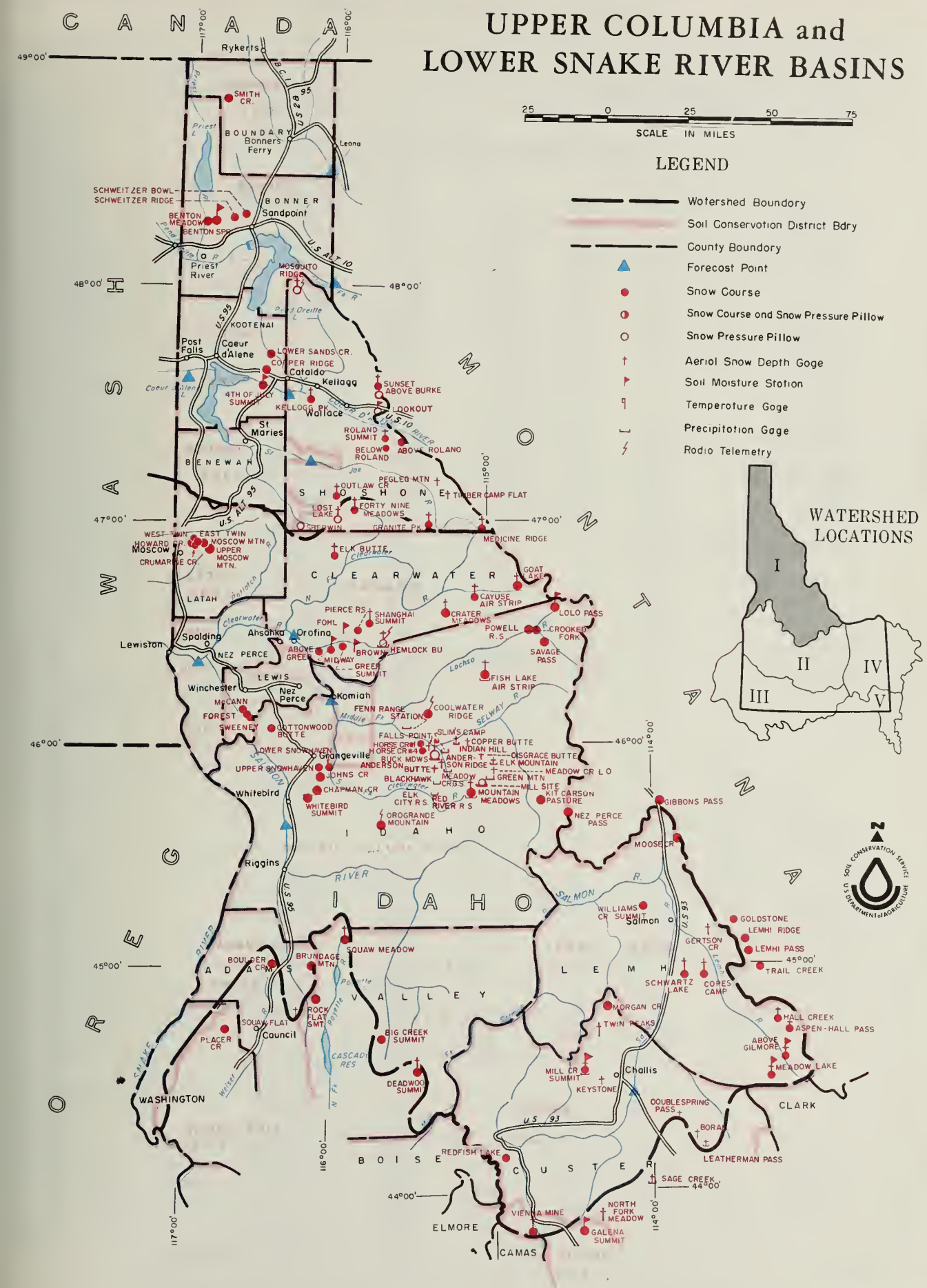
In Inches

DRAINAGE DIVISIONS	Winter January 1974		Fall - Winter Nov. 73 - Jan. 74	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	5.51	+1.82	16.38	+ 6.13
Flathead	4.54	+1.60	11.03	+ 3.30
Clark Fork	1.79	+0.39	5.21	+ 1.76
Pend Oreille-Spokane	9.05	+4.26	24.21	+11.28
Upper Snake	2.58	-0.05	8.79	+ 2.05
Snake River Plain	1.07	-0.07	4.27	+ 0.89
Salmon-Payette-Boise	3.91	+0.53	13.60	+ 5.15
Clearwater	3.67	-0.19	13.92	+ 3.60
Owyhee-Malheur	1.09	-0.33	5.16	+ 1.27

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-1972) drainage division average.

UPPER COLUMBIA and LOWER SNAKE RIVER BASINS



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
16A1	I	Smith Creek	29	64N	3W	4800
PEND OREILLE - PRIEST RIVER						
16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
SPOKANE RIVER						
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B15a	I	Pegleg Mountain	15	44N	9E	5735
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
15B16a	I	Timber Camp Flat	23	44N	9E	4300
LOWER SNAKE BASIN						
PALOUSE RIVER						
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C7SR	I	Upper Moscow Mountain	16	40N	4W	4600
16C4P	I	West Twin	14	40N	5W	4250

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.
CLEARWATER RIVER					
16C11	I	Above Greer	14	35N	2E
15D7a	I	Anderson Butte	34	30N	9E
15D8a	I	Anderson Ridge	35	30N	9E
15D9p	I	Blackhawk	31	29N	10E
16C14m	I	Brown	11	35N	3E
15D5MAP	I	Buck Meadows	26	31N	8E
15C3A	I	Cayuse Airstrip	4	38N	11E
15C7R	I	Coolwater Mountain	32	33N	8E
15D10a	I	Copper Butte	35	31N	10E
16C16	I	Cottonwood Butte	33	32N	1W
15C9A	I	Crater Meadows	2	3[illegible]	9E
14C10	I	Crooked Fork	27	37N	14E
15D11a	I	Disgrace Butte	26	30N	10E
16C15A	I	Elk Butte	6	40N	3E
15D12p	I	Elk City Rgr. Sta.	23	29N	8E
15D13ap	I	Elk Mountain	34	30N	11E
15C11a	I	Falls Point	10	31N	9E
15C12p	I	Fenn Ranger Station	23	32N	7E
15C2AP	I	Fish Lake Airstrip	35	35N	11E
15C8m	I	Fohl	16	36N	5E
16C9	I	Forest	1	32N	3W
15B3A	I	Forty-nine Meadows	6	43N	5E
14C9A	I	Goat Lake	4	38N	13E
15D14p	I	Green Mountain	15	28N	11E
16C13	I	Greer Summit	13	35N	2E
15C6APR	I	Hemlock Butte	7	36N	7E
15C8s	M	Hoodoo Basin	17	14N	27W
15C1	M	Hoodoo Creek	16	14N	27W
15C14	I	Horse Creek #1	25	31N	8E
15C15	I	Horse Creek #4	5	30N	9E
15D21a	I	Horse Point	4	30N	9E
15D22ap	I	Indian Hill	30	31N	10E
14D3	I	Kit Carson Pasture	4	27N	16E
14C5M	I	Lolo Pass	16	38N	15E
15B14AS	I	Lost Lake	16	43N	4E
15D15p	I	Lower Horse Creek	28	31N	9E
16D7	I	Lower Snowhaven	9	29N	3E
16C8	I	McCann	25	33N	3W
15D16p	I	Meadow Creek Guard Station	5	29N	10E
15D17a	I	Meadow Creek Lookout	25	29N	11E
16C12M	I	Midway	14	35N	2E
15D18ps	I	Mill Site	22	28N	11E
15D6AP	I	Mountain Meadows	9	27N	10E
14D1	M	Nez Perce Pass	25	1S	24W
15D4R	I	Orogrande Mountain	24	27N	6E
15C5	I	Pierce Ranger Station	2	36N	5E
14C6	I	Powell Ranger Station	33	37N	14E
15D19p	I	Red River Ranger Station	4	27N	9E
15D20a	I	Sable Hill	14	29N	10E
14C4	I	Savage Pass	18	36N	15E
15C4A	I	Shanghai Summit	7	37N	6E
15C13p	I	Slim's Camp	11	31N	9E
16C10	I	Sweeney	1	32N	3W
16D4	I	Upper Snowhaven	8 & 9	29N	3E
SALMON RIVER					
13E19MA	I	Above Gilmore	13	13N	26E
13E21A	I	Aspen-Hall Pass	6	16N	28E
15E2	I	Big Creek Summit	24	15N	5E
13E8a	I	Borah	21	10N	23E
16D6	I	Brundage Mountain	6	19N	3E
16D2	I	Chapman Creek	16	29N	2E
13E17A	I	Copes Camp	36	18N	22E
13E25a	I	Doublespring Pass	3	10N	22E
13D17a	I	Gertson Creek	22	22N	23E
13D2	M	Gibbons Pass	4	2S	19W
13D9	M	Gold Stone	11	8S	16W
13E20A	I	Hall Creek	1	16N	27E
16D3	I	Johns Creek	9	29N	2E
14E6a	I	Keystone	15	13N	18E
13E24ap	I	Leatherman Pass	20	9N	23E
13E1	M	Lemhi Pass	9	10S	15W
13E23	M	Lemhi Ridge	4	10S	15W
13E18MA	I	Meadow Lake	24	13N	26E
14E1MAP	I	Mill Creek Summit	8	13N	17E
13D16	I	Moose Creek	22 & 26	27N	21E
14E4	I	Morgan Creek	32	18N	19E
14E2	I	Redfish Lake	3	9N	13E
13E16A	I	Schwartz Lake	34	18N	22E
13E2	M	Trail Creek	15	10S	15W
14E3a	I	Twin Peaks	28	15N	17E
14F4AP	I	Vienna Mine	32	6N	14E
16D5	I	Whitebird Summit	17	29N	2E
14D4	I	Williams Creek Summit	34	21N	20E

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	1/30	6	1.8	1.8	6.0
Benton Spring	4900	1/29	62	20.1	11.5	13.8
#Mosquito Ridge	5110	1/30	114	38.6	--	--
#Mosquito Ridge (SP)	5110	1/30	--	34.0	14.5	--
Schweitzer Bowl	4500	1/29	94	32.5	17.2	22.6*
Schweitzer Ridge	6100	1/29	140	53.5	26.3	32.1*
SPOKANE RIVER						
Above Burke	4100	1/31	74	17.7	9.2	--
Above Burke (SP)	4100	1/31	--	18.3	8.4	--
Fourth of July Summit	3100	1/29	23	7.3	0.6	6.8*
Lookout	5250	1/26	93	27.4	16.7	26.7
Lookout	5250	1/31	115	32.0	16.7	26.7
Mosquito Ridge	5110	1/30	114	38.6	--	--
Mosquito Ridge (SP)	5110	1/30	--	34.0	14.5	--
Sherwin	3200	1/31	55	14.8	4.4	11.0*
Sherwin (SP)	3200	1/31	--	14.6	--	--
LOWER SNAKE RIVER BASIN						
CLEARWATER RIVER						
Coolwater Mountain (SP)	6200	1/31	--	23.0	10.8	--
Cottonwood Butte	5140	2/6	45	11.1	5.0	--
Crooked Fork	3600	1/30	52	13.2	5.6	--
Fish Lake Airstrip	5000	2/6	130	40.3	19.7	28.1*
Hemlock Butte	5500	2/6	165	53.0	24.6	32.8*
Hemlock Butte (SP)	5500	1/31	--	21.1	21.7	--
#Hoodoo Basin Mont.	6000	1/29	128	46.0	28.8	37.9
#Hoodoo Creek Mont.	5900	1/29	125	41.9	26.4	35.5
Lolo Pass	5250	1/30	97	26.2	16.5	22.9*
Lower Snowhaven	5250	1/30	48	14.3	6.7	--
Orogrande Mountain (SP)	7800	2/5	--	40.2	16.7	--
Pierce Ranger Station	3170	2/1	43	10.8	3.1	8.4
Powell Ranger Station	3410	1/30	40	11.6	5.0	--
Shanghai Summit	4600	2/6	104	30.5	9.1	--
Upper Snowhaven	5600	1/30	41	14.2	7.7	--
SALMON RIVER						
Big Creek Summit	6600	1/31	113	37.6	20.9	24.9
#Boulder Creek	5500	1/30	86	29.2	15.0	17.9*
Brundage Mountain	7560	1/29	120	44.0	26.1	34.7*
#Deadwood Summit	7000	1/30	138	52.2	31.2	33.9*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches) Last Year	PAST RECORD: Water Content (Inches) Average (b)
#Galena Summit	8795	1/29	83	26.5	12.7	16.7
#Gibbons Pass Mont.	7100	1/30	72	19.7	12.8	16.0
Mill Creek Summit (A)	8870	1/29	66	23.9	11.2	17.8*
Moose Creek	6200	1/30	55	15.2	9.9	11.8
Morgan Creek	7580	1/29	44	11.9	6.9	10.5*
#Rock Flat Summit	5200	1/29	59	16.6	8.6	12.8
#Secesh Summit	6600	2/7	131	48.0	22.5	--
#Squaw Meadow	5800	2/7	116	45.5	22.1	25.4*
Twin Peaks (A)	10300	1/29	69	25.0	--	--
Vienna Mine (A)	8900	2/6	117	41.1	19.6	--
Lemhi River						
Above Gilmore (A)	8200	1/29	25	6.4	3.9	7.3*
Aspen-Hall Pass (A)	8110	1/29	32	7.2	5.4	6.6*
Copes Camp	7500	1/29	24	6.0	4.0	5.6*
Hall Creek	7560	1/29	16	4.2	3.1	4.3*
Meadow Lake (A)	9100	1/29	60	16.9	8.6	13.3*
Schwartz Lake (A)	8500	1/29	37	8.4	5.5	8.5*

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA SCS PORTLAND OREGON 1974 M7-0-22023P

MIDDLE SNAKE RIVER BASIN
NORTHSIDE

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LITTLE LOST RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

BIG LOST RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2A	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

BIG WOOD RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

LITTLE WOOD RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500

FISH CREEK

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

BOISE RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710

CANYON CREEK

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550

PAYETTE RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

WEISER RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230

MANN CREEK

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	1/29	18	3.8	2.5	3.8
Lost Garfield	6600	1/29	18	3.0	2.2	3.2
Moonshine	7450	1/29	34	7.8	5.6	8.0
Sawmill Canyon	6900	1/29	24	4.3	4.1	6.4
Wet Creek Summit	7600	1/28	36	9.6	6.2	8.8*
BIG LOST RIVER						
Bear Canyon	7920	1/28	59	18.0	9.3	--
Copper Basin	7650	1/28	28	8.3	3.7	7.3*
Iron Bog	7650	1/31	45	11.9	7.7	10.8*
Leadbelt	6800	1/31	24	4.1	4.0	7.6*
Lost-Wood Divide	7900	1/28	80	26.3	--	--
Stickney Mill	7500	1/28	31	8.0	4.8	--
White Knob	7700	2/1	30	7.9	7.1	6.7*
LITTLE WOOD RIVER						
#Bear Canyon	7920	1/28	59	18.0	9.3	--
Garfield Ranger Station	6554	1/30	32	7.8	5.8	7.9*
Muldoon	6300	1/30	21	4.6	5.4	6.2*
Swede Peak	7650	1/30	54	15.3	9.5	11.5*
BIG WOOD RIVER						
Galena	7300	1/29	69	21.8	10.0	14.3
Galena Summit	8795	1/29	83	26.5	12.7	16.7
Graham Ranch	6200	2/1	55	13.4	7.6	10.0
#Lost Wood Divide	7900	1/28	80	26.3	--	--
Mascot Mine	7900	1/28	49	14.2	7.1	--
Mount Baldy	9000	2/1	74	21.3	10.1	14.6
Soldier Ranger Station	6100	1/31	44	12.4	6.9	9.9
#Vienna Mine (A)	8900	2/6	117	41.1	19.6	--
BOISE RIVER						
Atlanta Summit (A)	7500	2/6	118	39.4	19.0	24.9
Bad Bear	5500	1/30	46	14.2	6.6	10.8*
#Bogus Basin	6120	2/1	68	21.7	11.7	17.3
Bogus Basin Road	5360	2/1	33	7.8	T	5.9
Jackson Peak	7000	1/30	94	32.0	20.6	--
Moores Creek Summit	6100	1/30	89	28.4	19.0	22.9
Prairie	4900	1/30	21	5.7	2.0	5.5
#Soldier Ranger Station	6100	1/31	44	12.4	6.9	9.9
Trinity Mountain	7780	2/5	131	48.7	24.7	30.2
#Vienna Mine (A)	8900	2/6	117	41.1	19.6	--

*(b) 1958-72, 15 year period. #Nat located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)
PAYETTE RIVER						
#Big Creek Summit	6600	1/31	113	37.6	20.9	24.9
Bogus Basin	6120	2/1	68	21.7	11.7	17.3
#Brundage Mountain	7560	1/29	120	44.0	26.1	34.7*
Cozy Cove	5900	1/29	47	14.6	9.0	12.6
Crawford Ranger Station	4800	2/3	31	8.0	2.5	6.8
Deadwood Airstrip	5440	1/28	45	13.8	7.7	11.6
Deadwood Dam	5290	1/29	51	16.4	8.5	12.3
Deadwood Summit	7000	1/30	138	52.2	31.2	33.9*
#Jackson Peak	7000	1/30	94	32.0	20.6	--
Lake Fork	6000	Delayed			8.9	--
Rock Flat Summit	5200	1/29	59	16.6	8.6	12.8
Secesh Summit	6600	2/7	131	48.0	22.5	--
Squaw Meadow	5800	2/7	116	45.5	22.1	25.4*
WEISER RIVER						
Boulder Creek	5500	1/30	86	29.2	15.0	17.9*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

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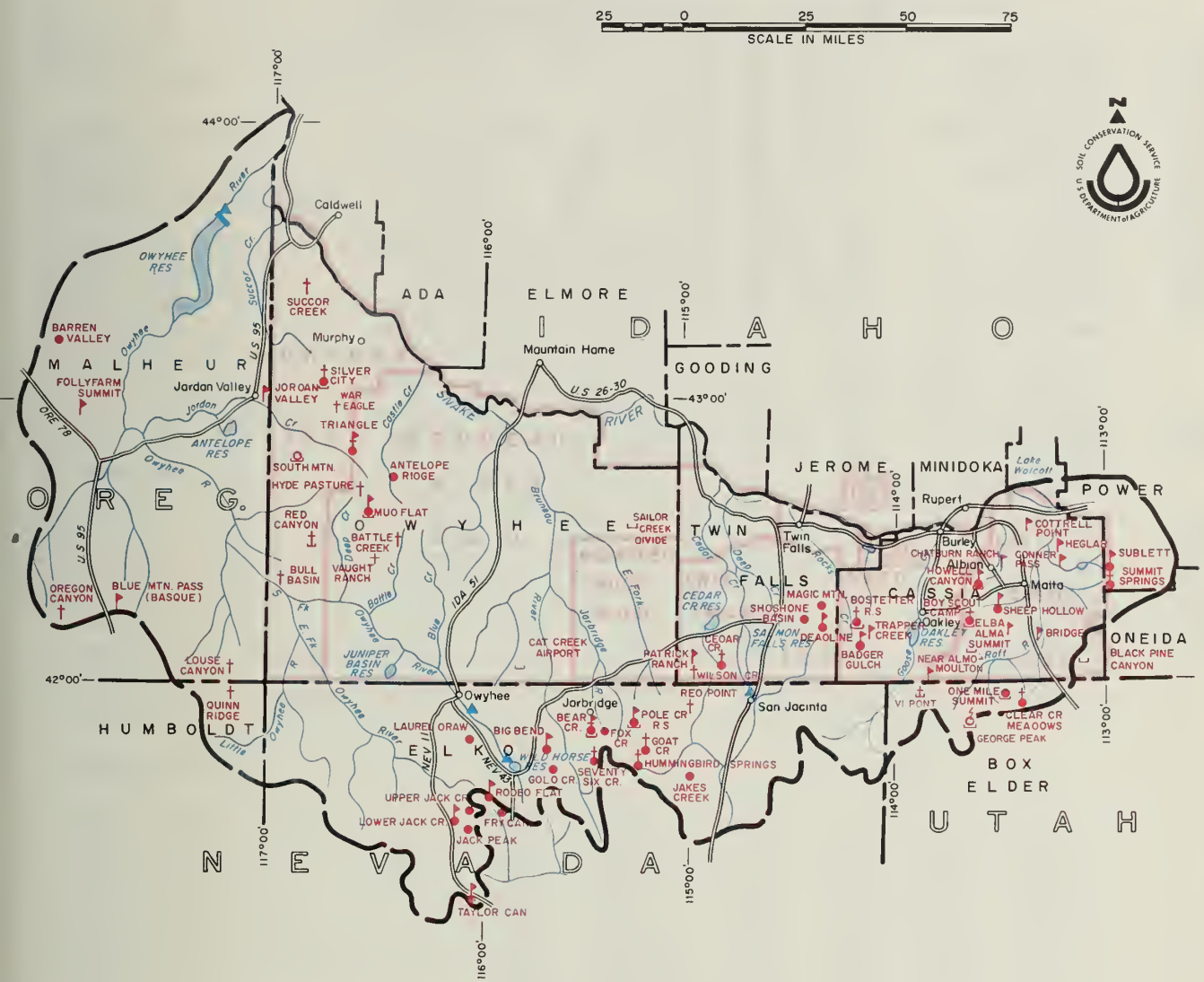
MIDDLE SNAKE RIVER BASIN
SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
13G15p	I	Black Pine Canyon	28	15S	29E	7100
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13G11m	I	Bridge	7	15S	27E	4750
13G13m	I	Chatburn Ranch	4	12S	25E	4700
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13G6m	I	Conner Pass	35	12S	25E	5700
13G7m	I	Cottrell Point	24	10S	25E	4490
13G10m	I	Elba-Almo Summit	29	14S	25E	5690
13H4sp	U	George Peak	4	13N	14W	9000
13G8m	I	Heglar	19	11S	28E	4590
13G1MP	I	Howell Canyon	2	13S	24E	8000
13G12m	I	Moulton	27	16S	23E	5950
13G14p	I	Near Almo	35	15S	24E	5200
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	6400

GOOSE - TRAPPER CREEK

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
14G7m	I	Trapper Creek	2	15S	20E	5300
13H3ap	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
14G5A	I	Cedar Creek	25	15S	13E	000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14H1	N	Jakes Creek	6	42N	62E	7000
14G2	I	Magic Mountain	14	14S	18E	6700
15G1m	I	Patrick Ranch	23	15S	12E	5720
15H18a	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2a	I	Wilson Creek	24	16S	12E	7500

BRUNEAU RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
15H1MAP	N	Bear Creek	31	46N	58E	7800
15G3p	I	Cat Creek Airport	9	16S	6E	5700
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8945
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330
15G4p	I	Sailor Creek Divide	21	10S	10E	4350

OWYHEE RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	17S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
17G2m	O	Blue Mountain Pass (Basque)	4	38S	42E	5290
16G10a	I	Bull Basin	19	12S	5W	5600
18G3m	O	Folly Farm Summit	8	30S	38E	4450
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE¼ 31	8S	2W	5800
16H4	N	Jacks Peak	28	42N	53E	8420
17G3m	O	Jordan Valley	2	30S	46E	4390
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4MA	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE ANO SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Howell Canyon	8000	1/31	81	28.6	16.3	17.4
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	1/30	51	15.0	15.2	13.1
Cedar Creek (A)	7000	1/30	30	8.6	8.1	6.4
Deadline	6900	1/30	70	22.0	17.4	15.6
Goat Creek Nev.	8800	1/29	49	13.5	13.8	10.0
#Hummingbird Spgs.(A) Nev.	8945	1/30	59	15.9	16.1	14.9
Magic Mountain	6700	1/30	54	16.9	13.9	12.3
#Pole Creek R. S. Nev.	8330	1/29	52	15.0	14.4	12.3
Red Point (A) Nev.	7940	1/30	13	3.7	4.5	5.9*
Shoshone Basin	5740	1/30	21	5.6	5.0	3.8*
Wilson Creek (A)	7500	1/30	31	8.9	10.5	--
BRUNEAU RIVER						
Bear Creek (A) Nev.	7800	1/30	51	15.0	15.2	13.1
Hummingbird Springs(A) Nev.	8945	1/30	59	15.9	16.1	14.9
Pole Creek R. S. Nev.	8330	1/29	52	15.0	14.4	12.3
#Seventy-six Cr.(A) Nev.	7100	1/30	31	9.0	10.1	7.6
OWYHEE RIVER						
Battle Creek (A)	5700	2/6	22	7.3	2.7	2.8
#Bear Creek (A) Nev.	7800	1/30	51	15.0	15.2	13.1
Bull Basin (A)	5600	2/6	10	3.3	1.8	1.0
Hyde Pasture (A)	5800	2/6	30	9.9	2.7	4.2
Red Canyon (A)	6650	2/6	30	9.9	5.5	5.4
#Seventy-six Cr.(A) Nev.	7100	1/30	31	9.0	10.1	7.6
Silver City	6400	1/28	46	12.6	6.7	11.1*
South Mountain	6340	2/4	38	14.1	6.4	8.3
Succor Creek (A)	6100	2/6	12	4.0	2.7	4.2*
Triangle (A)	5150	2/6	5	1.6	0.8	0.9
Vaught Ranch (A)	5950	2/6	22	7.3	5.5	2.8*
War Eagle (A)	7700	2/6	60	19.8	16.8	17.7*

*(b) 1958-72, 15 year period. #Nat located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and or SNOW COURSE			THIS YEAR			PAST RECORD	
NAME		Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average (b)
UPPER SNAKE RIVER BASIN							
CAMAS-BEAVER CREEKS							
Camp Creek		6800	1/30	26	6.9	6.0	7.4
Kilgore		6200	2/1	27	8.3	7.5	7.9
HENRYS FORK RIVER							
Big Springs		6500	1/30	62	18.2	11.1	14.4
Black Canyon		7850	1/27	89	28.5	18.8	24.3*
Black Canyon (New)		7850	1/27	90	28.0	19.6	--
Black Moose		8125	1/27	103	35.7	22.0	25.4*
Grassy Lake	Wyo.	7230	1/30	96	30.8	20.1	23.2
Island Park		6315	1/30	51	13.3	8.6	11.6
Latham Springs		7650	1/27	87	28.0	19.6	24.0*
Lucky Dog		6900	1/27	70	21.5	15.2	18.0*
Sawtelle Mountain		8715	2/4	88	31.0	16.4	26.1*
Targhee Pass		7000	1/30	37	8.7	6.0	--
Valley View		6500	1/30	38	10.2	6.3	12.3
White Elephant		7700	1/30	74	23.5	11.6	--
TETON RIVER							
Darby Canyon	Wyo.	8250	2/6	71	19.0	--	--
Freds Mountain	Wyo.	8000	2/6	76	21.5	15.0	--
Garns Mountain		8300	2/6	90	31.2	24.0	--
Indian Meadows	Wyo.	Not Measured				22.8	--
Jackpine Creek	Wyo.	7500	2/3	65	19.2	15.0	--
McRenold Reservoir		6800	2/3	60	16.5	12.5	--
Miles Creek	Wyo.	7500	2/3	44	11.1	9.6	--
Phillips Bench	Wyo.	8200	2/4	86	27.1	14.4	--
Pine Creek Pass		6750	2/6	57	14.7	10.7	11.5*
State Line		6400	2/3	45	11.1	8.3	9.7
Teton Pass W.S.	Wyo.	8400	2/4	78	25.9	15.2	--
WILLOW CREEK							
Aspen Grove		6600	2/4	39	11.5	7.5	8.1*
Birch Creek		6800	2/4	41	11.5	6.9	7.5*
Bone		6200	1/29	27	6.6	5.2	6.2*
Ozone		5800	1/29	8	2.1	0.6	0.8*
Sheep Mountain		6510	1/29	44	11.6	9.2	10.0*
Tex Creek		6550	2/4	30	7.8	6.8	6.2*
SAND CREEK							
Henry Creek		5650	1/29	14	3.8	2.1	3.1*
Taylor Mountain		6500	1/29	34	9.4	5.8	7.1*

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average [b]
BLACKFOOT RIVER						
Austin Bros. Ranch	6450	1/31	30	7.0	6.6	6.0
Slug Creek Divide	7225	1/30	40	10.6	11.0	11.0*
Somsen Ranch	7000	1/31	45	11.5	9.0	9.2
PORTNEUF RIVER						
Dempsey Creek	6280	1/29	38	9.0	8.5	7.8
Lower Pebble	5800	1/29	40	10.8	6.8	9.3*
Mink Creek	6300	1/29	47	14.3	10.0	10.7*
Pebble Creek	6550	1/29	46	14.4	10.2	10.1

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation ‖ater content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	1/31	71	20.8	13.8	16.6*
Emigration Canyon	6500	1/31	32	8.2	5.8	7.8*
Montpelier Creek						
Giveout	6840	1/30	39	9.6	6.5	8.7*
Little Beaver	6970	1/30	43	10.8	8.1	10.9*
Lower Home Canyon	7500	1/31	44	11.2	6.9	--
Montpelier Creek	6570	1/30	30	6.7	4.6	6.0*
Upper Home Canyon	8500	1/30	63	16.6	11.2	--
Whiskey Flat	6985	1/30	27	6.5	5.1	6.9*
Mink Creek						
Christensen Ranch	5600	1/30	36	8.7	7.5	5.9
Dry Basin	7900	1/30	80	24.0	14.1	--
#Emigrant Summit	7350	1/31	71	20.8	13.8	16.6*
Horseshoe Basin	8000	1/30	65	20.8	14.4	--
Liberty Spring	8600	1/30	92	30.1	20.3	--
Strawberry Creek	5800	1/31	42	10.1	9.1	7.2
Strawberry Mink Divide	6800	1/30	61	18.4	14.6	14.2
Cub River						
Cub River R. S.	5400	1/29	39	9.8	6.6	5.8
Willow Flat	6100	1/29	53	14.2	10.4	10.0
MALAD RIVER						
Cliff Canyon	7200	1/28	30	7.0	5.9	--
Daniels Creek	6400	1/28	26	5.6	4.1	--
Dry Creek Flat	6350	1/28	36	9.0	9.8	5.3
Lower Elkhorn	6850	1/29	42	11.0	9.3	9.8*
Oxford Mountain	6800	1/28	34	7.8	8.0	6.5*
Upper Elkhorn	7100	1/29	53	13.5	11.6	12.0*

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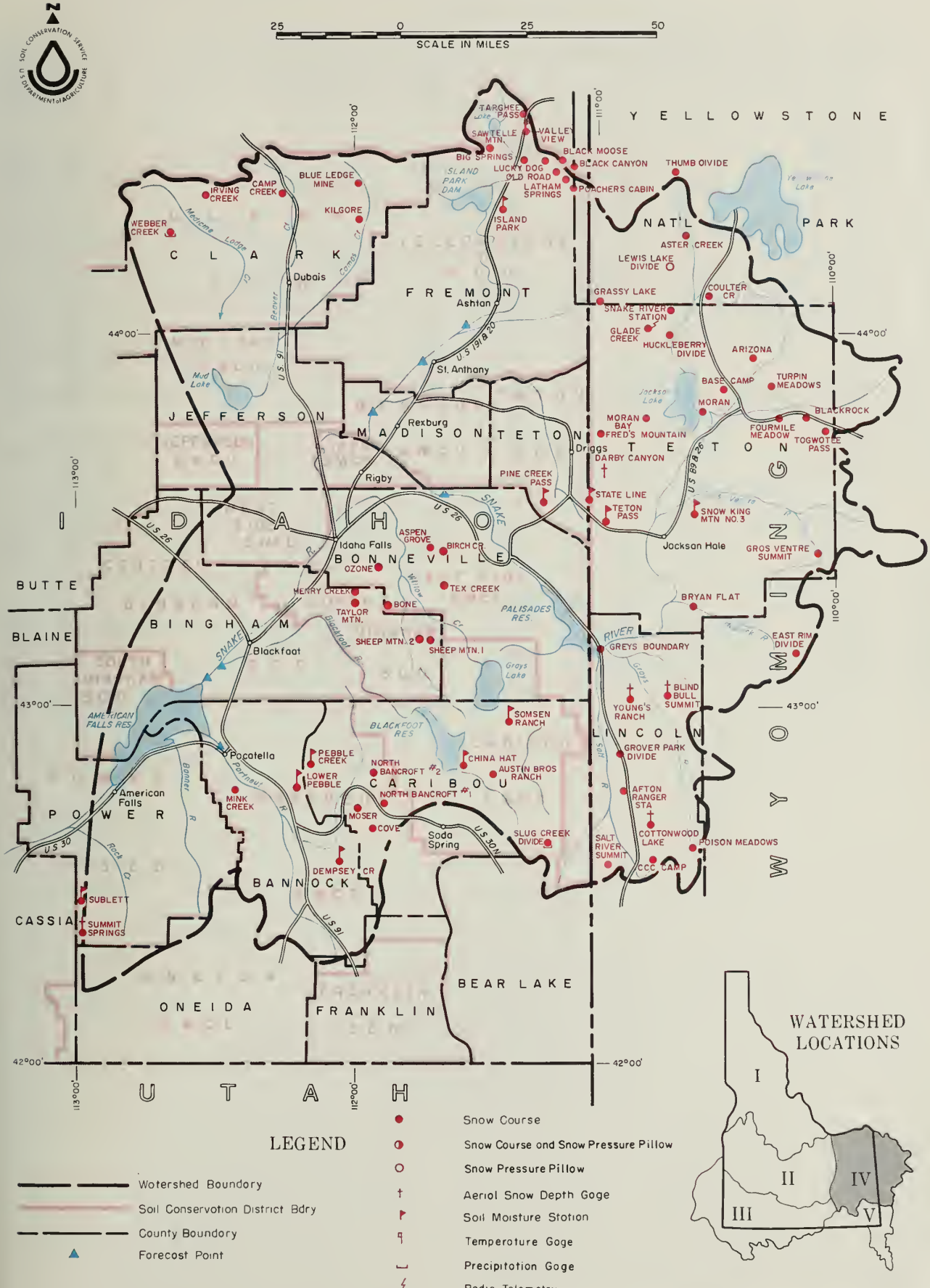
*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

UPPER SNAKE RIVER BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

WATERSHED LOCATIONS

INDEX to SNOW COURSES

UPPER SNAKE RIVER BASIN

SNAKE RIVER - WYOMING

NO.	STATE	NAME	SEC.	TWP. OR LAT.	AND	RGE. LONG.	ELEV.
10G4	Wy	Afton Ranger Station	30	32N	118W		6200
10F1	Wy	Arizona	3	46N	115W		6850
10E8	Wy	Aster Creek	44° 17'		110° 38'		7700
10F2	Wy	Base Camp	20	46N	113W		6900
10F7	Wy	Blackrock	4	44N	111W		8600
10G2A	Wy	Blind Bull	6	34N	115W		8750
10F14	Wy	Bryan Flat	9	38N	115W		6250
10G7	Wy	CCC Camp	9	29N	118W		7500
10G5A	Wy	Cottonwood Lake	25	31N	118W		7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'		7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W		7950
10F6	Wy	Four Mile Meadows	35	45N	112W		7770
10E13	Wy	Glade Creek	12	48N	116W		7200
10F18	Wy	Greys Boundary	33	37N	118W		5800
10F19	Wy	Gros Ventre Summit	36	40N	111W		8750
10G3	Wy	Grover Park Divide	27	33N	118W		7500
10E14	Wy	Huckleberry Divide	32	48N	115W		7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'		7900
10F4MP	Wy	Moran	8 & 17	45N	114W		6800
10F3	Wy	Moran Bay	14	45N	116W		6800
10G6	Wy	Poison Meadows	29	30N	116W		8500
10G8P	Wy	Salt River Summit	32	29N	118W		7900
10E12MP	Wy	Snake River Station	9	48N	115W		6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W		7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'		7900
10F9MP	Wy	Togwotee Pass	29	44N	110W		9600
10F5	Wy	Turpin Meadows	14	45N	112W		6930
10G1A	Wy	Young's Ranch	26	34N	116W		6530

HENRYS FORK RIVER

11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E15	I	Old Road	12	13N	44E	7250
11E17	I	Poacher's Cabin	11	13N	45E	8000
11E32	I	Sawtelle Mountain	7	14N	43E	8715
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500

TETON RIVER

10F21a	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8000
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6400
10F13M	Wy	Teton Pass	24	41N	118W	8500

CAMAS - BEAVER CREEK

11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200

MEDICINE LODGE CREEK

12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700

WILLOW CREEK

11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F8	I	Bone	29	1S	40E	6200
11F4	I	Ozone	14	1N	39E	5800
11F9	I	Sheep Mountain I	33	2S	41E	6450
11F11	I	Sheep Mountain II	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700

SAND CREEK

11F6	I	Henry Creek	7	1S	39E	5650
11F7	I	Taylor Mountain	19	1S	39E	6500

BLACKFOOT RIVER

11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G2M	I	China Hat	17	7S	42E	6300
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000

PORTNEUF RIVER

11G25	I	Cove	21	9S	39E	5525
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
11G24	I	Moser	20	8S	39E	5950
11G23	I	North Bancroft #1	15	8S	39E	5460
11G22	I	North Bancroft #2	27	7S	39E	5430
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
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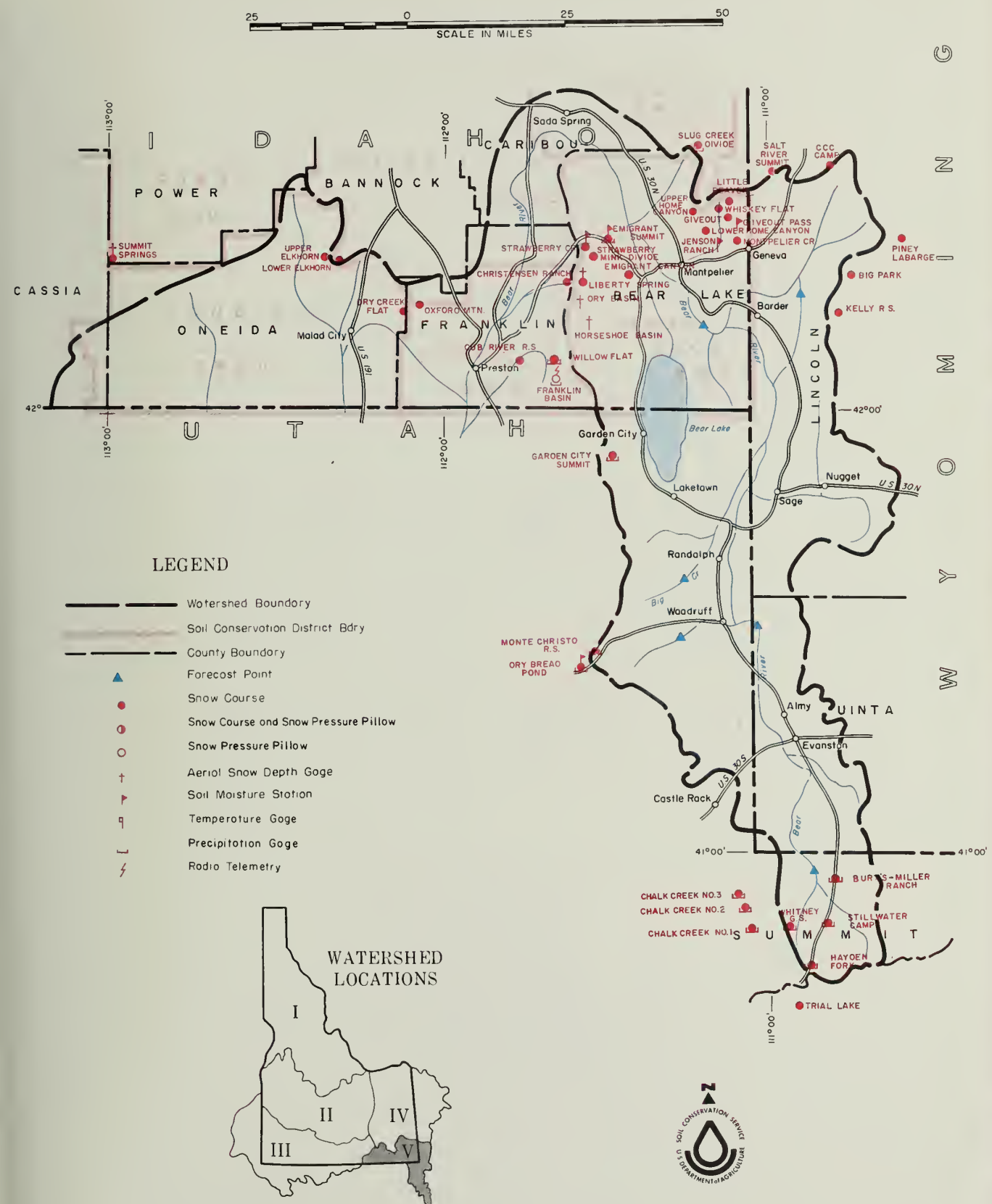
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	1/29	10.3	10.4	10.2
Lookout	5250	48	11.0	1/26	8.6	7.8	6.8
LITTLE LOST RIVER							
Fairview Guard Station	5850	48	10.1	1/29	8.3	7.2	8.0
Wet Creek Summit	8175	48	17.1	1/28	13.6	12.8	13.7
BIG WOOD RIVER							
Galena Summit	8795	48	5.8	1/29	Frozen	Frozen	Frozen
SALMON FALLS CREEK							
Deadline	6900	36	7.4	1/30	6.7	--	--
Patrick Ranch	5700	36	7.7	1/29	5.2	5.3	6.7
Pole Creek R. S.	8330	36	9.7	1/29	8.0	7.9	8.0
HENRYS FORK RIVER							
Island Park	6315	48	9.9	1/30	10.6	8.4	8.2
Valley View	6500	48	13.3	1/30	9.3	Frozen	7.0
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	1/29	8.1	8.2	7.0
Pebble Creek	6550	48	7.2	1/29	6.5	5.8	6.9
BEAR RIVER							
Emigrant Summit	7350	36	8.2	1/31	6.7	--	6.6
Strawberry Creek	5800	48	12.7	1/31	10.3	--	10.0
Montpelier Creek							
Giveout Pass	7025	36	9.4	1/30	8.0	3.6	--
Jenson Ranch	6580	48	18.7	1/30	12.4	6.5	7.2

GREAT BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aeriol Snow Depth Goge
- Soil Moisture Station
- Temperature Goge
- Precipitation Goge
- Radio Telemetry

SOIL CONSERVATION SERVICE
U.S. DEPARTMENT of AGRICULTURE

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR ANO	RGE. / LONG.	ELEV.

GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

MONTPELIER CREEK

11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G4	I	Dry Creek Flat	31	13S	37E	6350
12G11	I	Lower Elkhorn	30	12S	36E	6850
12G3	I	Oxford Mountain	32	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
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10J7p	STORAGE PRECIPITATION GAGE ONLY.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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WATER SUPPLY OUTLOOK FOR IDAHO

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AT URBANA-CHAMPAIGN

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
MAR. 1, 1974

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA-SCS-PORTLAND, OREG. 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

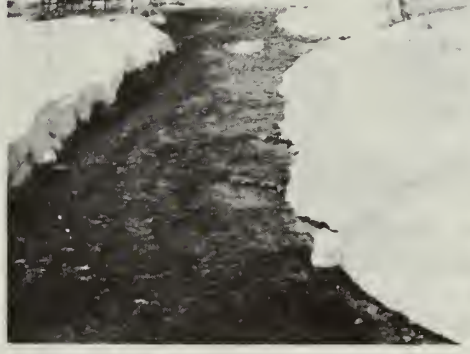
R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Snow Survey Supervisor
and
MARION O. CARSTENS, Statistical Assistant

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR MARCH 1, 1974

Snowfall during February continued above normal throughout Northern and Southwestern Idaho north of the Snake River and near to slightly below average over the remainder of the state. Record snow-water accumulation has been recorded on several high elevation snow courses with practically all sites exceeding an April 1 normal. Snow-water equivalent values range from a low of 91% of average on the Little Lost drainage to a high of 185% of normal on the Palouse River watershed.

Valley precipitation during February ranged from slightly below average on the Snake River Plain and Salmon, Payette, Boise and Owyhee drainages to well above normal in the Pend Oreille-Spokane watersheds. Soil moisture remains good to excellent.

Reservoir storage is good to excellent and it appears some reservoirs should be lowered to make space for anticipated high volume runoff.

The outlook for water supply during the 1974 irrigation season is good to excellent throughout the state. Streamflow forecasts range from 110% of average for the Teton River near St. Anthony and the Big Lost at Howell Ranch for the April-September period to 166% of normal for the Weiser River above Crane Creek, March through September.

Major flooding occurred in several areas during January and the potential for high, rapid runoff still exists on most drainages in Northern and Southwestern Idaho.

COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	27	175	131
Pend Oreille River	77	190	126
Clark Fork River	57	195	125
Flathead River	20	180	129
Priest River	3	200	149
Spokane River	10	275	161
LOWER SNAKE RIVER BASIN			
Palouse River	5	1347	185
Clearwater River	19	225	143
Salmon River	21	199	139
Lemhi River	6	207	132
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	135	91
Big Lost River	6	157	106
Fish Creek	2	115	109
Little Wood River	4	134	110
Big Wood River	8-9	188	138
Boise River	13	200	146
Payette River	15	184	142
Weiser River	2	178	151
Mann Creek	3	158	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	142	141
Goose-Trapper Creeks	3	156	144
Salmon Falls Creek	9-11	126	121
Bruneau River	5	119	115
Owyhee River	5	160	155
UPPER SNAKE RIVER BASIN			
Upper Snake - Wyoming	15-18	153	115
Camas Beaver Creeks	2	104	94
Henrys Fork River	10-11	148	120
Teton River	2-11	147	116
Willow-Sand Creeks	6	123	120
Blackfoot River	3	114	107
Portneuf River	4	132	127
GREAT BASIN			
Bear River	23	143	113
Montpelier Creek	4-6	140	107
Mink Creek	5-7	148	135
Cub River	2	180	160
Malad River	4-6	109	117

USDA SCS PORTLAND OREGON 1974 M7-L-22023Q

SNOW WATER DEPTHS

As percent of 1958-72 15 year average

MARCH 1, 1974

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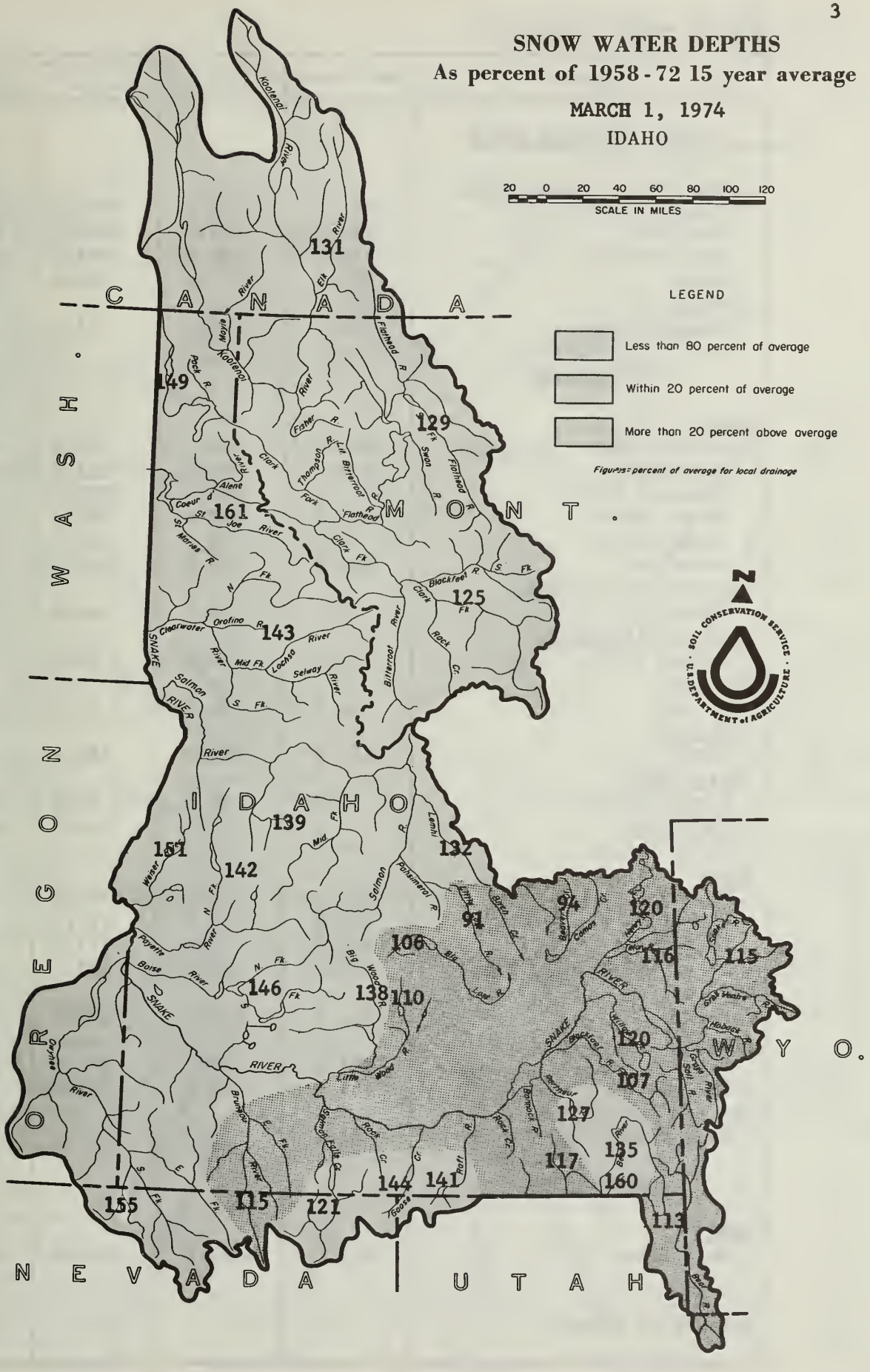


RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2211.0	2062.0	2329.0
Flathead	1791.0	1221.0	1010.0	1009.0
Pend Oreille	1155.1	590.4	393.2	457.0
Noxon	334.6	301.4	320.6	300.6
Spokane				
Coeur d'Alene	225.1	127.9	53.3	162.3
SNAKE BASIN				
Snake				
Jackson Lake	847.0	651.1	636.1	533.3
Palisades	1200.0	942.8	932.9	809.0
American Falls	1125.0	1044.9	1090.8	789.1
Island Park	127.0	113.6	100.1	113.5
Grassy Lake	15.2	10.7	10.5	10.3
Brownlee	980.2	523.7	475.1	451.1*
Goose-Trapper Creeks				
Oakley	74.4	44.2	47.2	19.3
Salmon Falls Creek				
Salmon Falls	182.6	76.0	99.5	34.5
Big Lost				
Mackay	44.2	26.7	37.3	31.9
Big Wood				
Magic	191.5	63.4	124.6	103.5
Little Wood				
Little Wood	30.0	14.3	19.9	15.5
Fish Creek				
Carey Valley	14.4	5.7	4.1	--
Boise				
Anderson Ranch	423.2	176.3	290.2	237.6
Arrowrock	286.6	266.3	277.9	247.9
Lucky Peak	278.2	70.9	177.7	89.2
Lake Lowell (Deer Flat)	169.0	148.7	117.6	132.0
Owyhee				
Owyhee	715.0	537.1	600.0	452.7
Payette				
Cascade	653.2	348.1	351.0	325.9
Deadwood	161.9	38.7	93.7	78.8
Weiser				
Mann Creek	11.1	7.7	5.5	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1089.6	1089.6	958.3

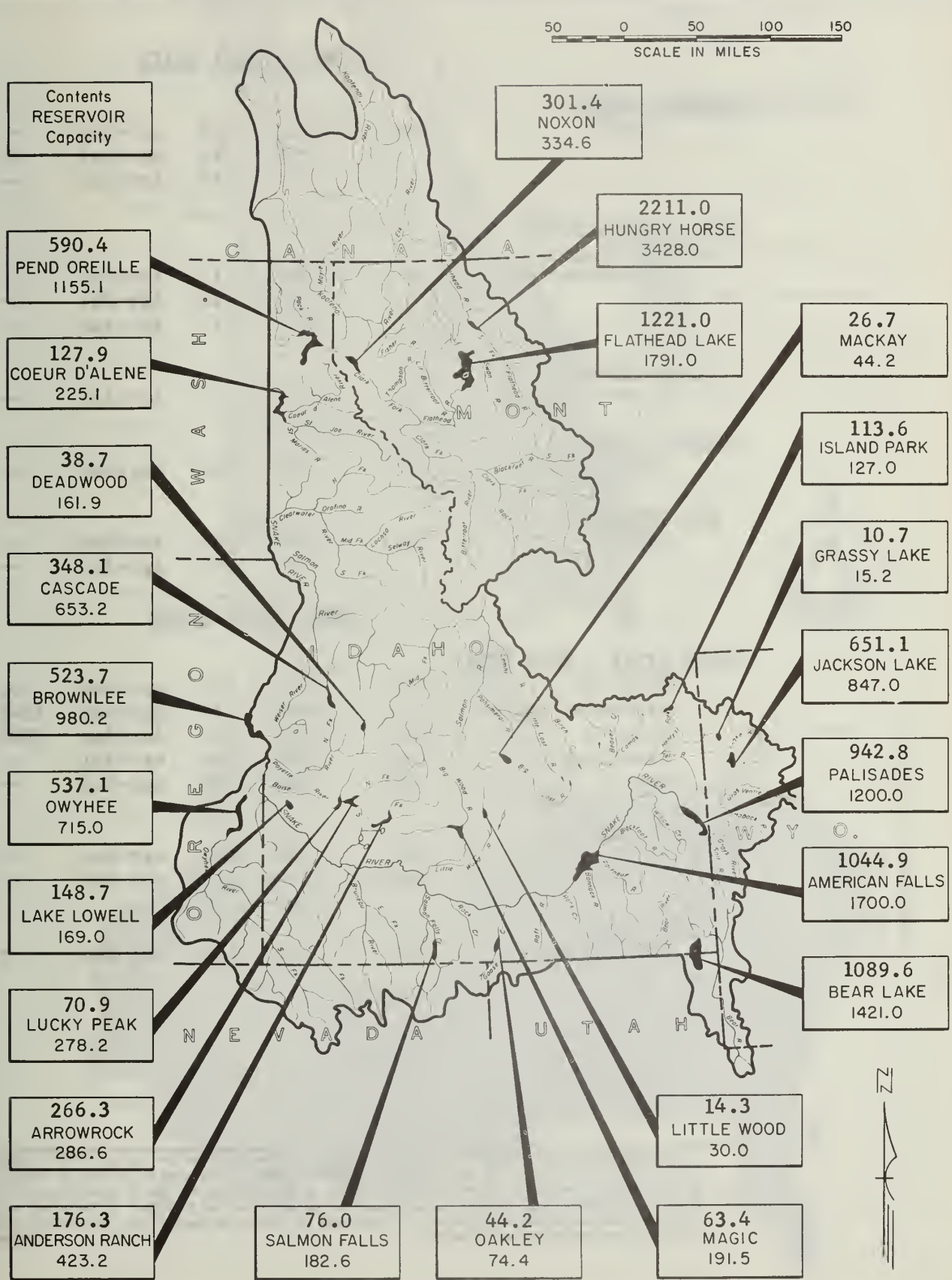
*Period of Record.

USDA-SCS PORTLAND OREGON 1974 M7-L-22023R

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MARCH 1, 1974



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST [c] Thousand Acre Feet	THIS YEAR FORECAST [c] Percent of Average	FORECAST PERIOD	PAST RECOR THOUSAND ACRE F Last Year	A
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	10800	119	Apr-Sep	--	9
		9600	121	Apr-Jul	--	7
		7700	120	Apr-Jun	--	6
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	16800	117	Apr-Sep	--	14
		15500	118	Apr-Jul	--	13
		13200	117	Apr-Jun	--	11
Priest River						
Priest River 1/	(nr)	1150	131	Apr-Jul	--	
SPOKANE RIVER						
Post Falls 2/	(at)	4300	144	Apr-Sep	--	2
St. Joe River						
Calder	(at)	1920	143	Apr-Sep	--	1
		1840	144	Apr-Jul	--	1
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(nr)	1050	122	Apr-Sep	655	
Palisades Inflow 3/		4400	118	Apr-Sep	2840	3
Heise 4/	(nr)	4500	115	Apr-Sep	3004	3
Blackfoot 5/	(nr)	4780	114	Apr-Jul	--	4
Weiser	(at)	7300	112	Apr-Sep	--	6
Henrys Fork						
Ashton 6/	(nr)	750	112	Apr-Sep	--	
Rexburg 7/	(nr)	1510	111	Apr-Sep	--	1
Teton River						
St. Anthony	(nr)	485	110	Apr-Sep	--	

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

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PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MARCH 1, 1974

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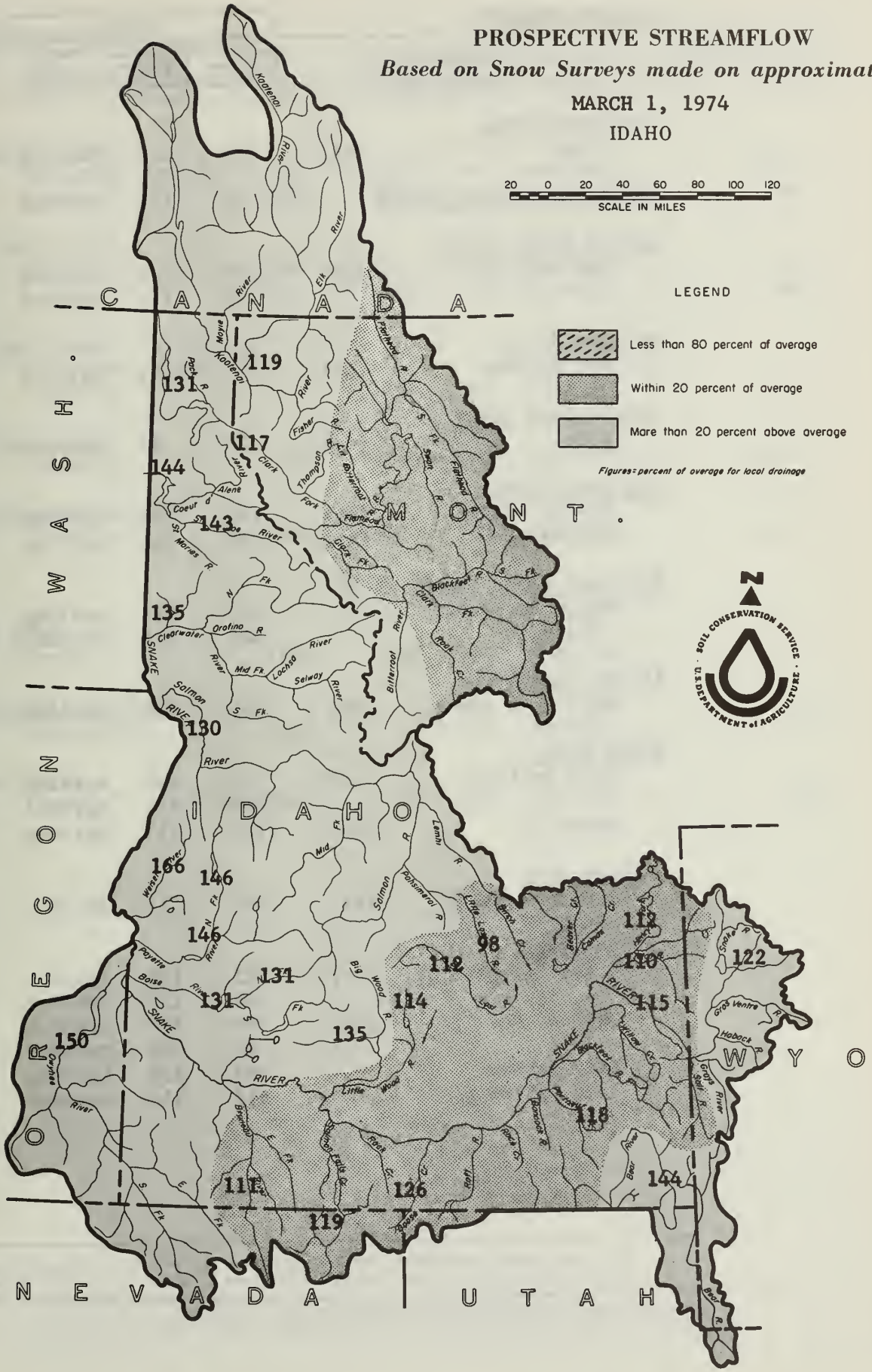

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Avera
Portneuf River						
Topaz	(at)	110	118	Mar-Sep	--	9
Oakley Reservoir Inflow		37	126	Mar-Sep	--	2
Salmon Falls Creek						
San Jacinto	(nr)	100	119	Mar-Sep	--	8
		95	119	Mar-Jul	--	8
Bruneau River						
Hot Springs	(nr)	250	111	Mar-Sep	--	22
Little Lost River						
Howe	(nr)	40	98	Apr-Sep	--	4
Big Lost River						
Howell Ranch	(at)	230	110	Apr-Sep	--	20
Mackay 1/	(nr)	200	112	Apr-Sep	--	17
Big Wood River						
Magic Reservoir		405	135	Apr-Sep	--	30
Inflow 2/		420	135	Mar-Jul	--	31
Little Wood River						
High Five Creek	(ab)	105	114	Apr-Sep	--	9
Boise River						
Twin Springs	(nr)	940	131	Apr-Sep	--	71
		870	131	Apr-Jul	--	66
Boise 3/	(nr)	2120	131	Apr-Sep	--	161
South Fork						
Anderson Dam 4/	(at)	820	131	Apr-Sep	--	62
Owyhee River						
Gold Cr., Nev. 5/	(nr)	25	139	Apr-Jul	--	1
		30	130	Mar-Jul	--	2
Owyhee, Nev. 5/	(nr)	84	124	Apr-Jul	--	6
		97	120	Mar-Jul	--	8
Lake Owyhee		498	150	Apr-Sep	270	33
net inflow 6/		647	150	Mar-Jul	341	43

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

+ 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	2700	146	Apr-Sep	--	1850
Banks 2/	(nr)	1460	147	Apr-Jul	--	993
North Fork						
Cascade 3/	(at)	820	146	Apr-Sep	--	562
Banks 3/	(nr)	1065	146	Apr-Sep	--	730
Weiser River						
Weiser ab. Crane Creek 4/		850	166	Mar-Sep	--	511
Salmon River						
Whitebird	(at)	9050	130	Apr-Sep	--	6959
Clearwater River						
Spalding	(at)	11500	135	Apr-Sep	--	8514
GREAT BASIN						
BEAR RIVER						
Harer	(at)	390	144	Apr-Sep	--	271
Montpelier Creek						
Montpelier	(nr)	13.2	106	Apr-Sep	--	12.4
Cub River						
Preston	(nr)	67	134	Apr-Sep	--	50.0

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4. Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter Feb. 1974		Fall - Winter Nov. 73 - Feb. 7	
	Observed	Departure 2/	Observed	Departure
Kootenai, Canada & U.S.	2.17	+0.15	18.55	+6.28
Flathead	2.31	+0.51	13.19	+3.66
Clark Fork	0.44	-0.31	5.72	+1.52
Pend Oreille-Spokane	4.23	+1.15	28.18	+12.17
Upper Snake	1.94	+0.09	10.77	+2.18
Snake River Plain	0.57	-0.19	4.83	+0.69
Salmon-Payette-Boise	1.64	-0.19	15.25	+4.97
Clearwater	3.15	+0.66	17.17	+4.36
Owyhee-Malheur	0.48	-0.40	5.53	+0.76

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-72) drainage division average.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	2/25	18	4.0	2.7	6.1
Benton Spring	4900	2/25	80	28.9	12.6	17.4
#Mosquito Ridge (A)	5110	3/7	149	54.4	24.2	34.7*
Schweitzer Bowl	4500	3/1	130	49.5	21.2	27.8*
Schweitzer Ridge	6100	3/1	166	61.5	32.0	39.9*
HAYDEN LAKE						
Chilco Ridge	3650	2/27	40	10.9	1.2	--
Corner Creek	3200	2/27	25	6.9	3.0	--
Sage Creek Saddle	4100	2/27	90	30.0	7.1	--
Ulrich Creek	2800	2/27	13	2.5	T	--
SPOKANE RIVER						
Above Burke	4100	2/26	91	27.0	8.6	--
Above Burke (SP)	4100	2/26	--	25.7	8.7	--
Copper Ridge	4800	2/28	125	45.1	11.1	25.7
#Forty-nine Meadows	5000	3/8	132	47.2	14.6	28.9*
Fourth of July Summit	3100	3/4	48	14.2	1.9	7.3*
Granite Peak	6000	3/8	174	64.4	26.3	37.7*
Kellogg Peak (A)	5560	3/7	125	41.4	18.5	--
Lookout	5250	2/26	130	43.7	17.8	32.7
#Lost Lake	6000	3/8	265+	--	30.7	51.3*
Lower Sands Creek	3400	2/28	84	26.8	7.4	17.5
Medicine Ridge	6150	3/8	176	61.6	25.9	38.5*
Mosquito Ridge (A)	5110	3/7	149	54.4	24.2	34.7*
Roland Summit (A)	5200	3/7	166	54.1	22.4	31.3*
Sherwin	3200	2/26	60	20.0	5.2	13.8*
Sherwin (SP)	3200	2/26	--	19.4	5.3	--
Sunset(A)	5600	12' Marker Covered			--	33.7*
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	2/28	44	14.1	T	7.8*
East Twin	4050	2/28	54	16.7	T	11.1
Howard Creek	3450	2/28	32	10.1	0.0	4.5*
Moscow Mountain	4400	2/28	87	27.9	6.6	15.3
West Twin	4250	2/28	65	20.1	T	9.4

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA-SCS PORTLAND OREGON 1974 M7-0-22023P

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
CLEARWATER RIVER						
Buck Meadows	5600	2/26	94	32.8	17.6	25.7*
Cayuse Airstrip	3700	3/1	55	16.7	5.4	11.7
Coolwater Mountain (SP)	6200	3/1	--	30.7	13.7	--
Cottonwood Butte	5140	3/3	48	13.5	6.8	--
Crater Meadows	6100	3/1	136	46.8	26.4	40.9*
Crooked Fork	3600	2/28	56	16.9	6.3	12.9*
Elk Butte	5550	3/8	175	61.2	18.8	35.0*
Fish Lake Airstrip	5000	3/7	157	50.8	22.8	37.3
Forty-nine Meadows	5000	3/8	132	47.2	14.6	28.9*
Goat Lake	6600	3/7	161	58.6	29.2	43.8*
#Granite Peak	6000	3/8	174	64.4	26.3	37.7*
Hemlock Butte	5500	3/1	179	61.8	31.2	42.8*
#Hoodoo Basin Mont.	6000	3/1	169	63.4	31.5	46.1
#Hoodoo Creek Mont.	5900	3/1	163	58.6	29.4	43.2
Lolo Pass	5250	2/28	107	36.3	17.3	28.5
Lost Lake	6000	3/8	265+	--	30.7	51.3*
Lower Snowhaven	5250	3/3	61	19.6	9.4	--
#Medicine Ridge	6150	3/8	176	61.6	25.9	38.5*
#Nez Perce Pass Mont.	6575	2/22	67	19.3	10.8	14.3
Orogrande Mountain (SP)	7800	3/1	--	45.0	18.9	--
Pierce Ranger Station	3170	3/7	52	17.0	4.3	10.3
Powell Ranger Station	3410	2/27	50	16.4	6.0	12.6*
Savage Pass	6160	2/27	81	27.2	16.5	20.5
Savage Pass (New)	6160	2/27	84	26.9	16.9	--
Shanghai Summit	4600	3/1	115	37.5	13.3	24.5*
Upper Snowhaven	5600	3/3	55	20.5	10.0	--
SALMON RIVER						
Big Creek Summit	6600	3/4	129	47.2	23.1	31.4
#Boulder Creek	5500	2/26	96	33.6	16.8	21.8*
Brundage Mountain	7560	2/27	139	56.2	32.5	42.2*
#Deadwood Summit	7000	3/9	172	64.5	33.8	40.3*
#Galena Summit	8795	2/26	86	30.7	13.7	20.6
#Gibbons Pass Mont.	7100	2/26	77	28.5	15.8	20.5
#Lemhi Pass Mont.	7480	2/27	28	7.5	4.9	7.9
#Lemhi Ridge Mont.	8100	2/27	39	10.1	5.8	8.9
Mill Creek Summit	8870	3/4	93	31.6	12.6	20.3*
Moose Creek	6200	2/28	61	19.8	10.3	15.2
Morgan Creek	7580	3/4	60	17.0	7.7	12.6*
Redfish Lake	6600	2/26	36	9.8	4.0	8.7*
#Rock Flat Summit	5200	2/27	70	21.6	11.4	16.2
#Secesh Summit	6600	2/27	130	50.6	26.0	--
Twin Peaks (A)	10300	3/4	96	32.6	10.8	--
Vienna Mine	8900	2/25	115	44.0	21.2	32.0*
Williams Creek Summit	7800	2/28	45	13.1	6.6	11.0

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]
Lemhi River						
Above Gilmore	8200	3/4	46	11.1	4.4	8.6*
Aspen-Hall Pass (A)	8110	3/4	51	11.9	6.1	7.7*
Copes Camp	7500	3/4	35	8.5	4.9	6.6*
Hall Creek	7560	3/4	29	6.4	3.4	4.8*
Meadow Lake (A)	9100	3/4	75	22.9	9.9	17.1*
Schwartz Lake (A)	8500	3/4	54	12.6	6.7	11.0*

*(b) 1958–72, 15 year period. #Not located directly on this droinage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	2/26	21	4.8	3.0	4.5
Lost Garfield	6600	2/26	18	4.0	2.9	3.8
Moonshine	7450	2/26	34	8.4	6.2	9.8
Sawmill Canyon	6900	2/26	25	4.8	5.4	7.4
Wet Creek Summit	7600	2/25	41	11.2	7.1	10.9
BIG LOST RIVER						
Bear Canyon	7920	2/25	61	19.6	11.4	15.8
Copper Basin	7650	2/25	29	10.0	4.6	8.7
Iron Bog	7650	2/28	52	12.7	9.6	13.8*
Leadbelt	6800	2/28	30	6.6	5.2	9.0*
Lost-Wood Divide	7900	2/25	85	28.7	--	--
Stickney Mill	7500	2/25	33	9.0	5.0	8.4
White Knob	7700	3/4	47	10.4	7.8	8.4*
FISH CREEK						
Iron Mine Creek	6370	3/1	40	10.5	9.2	9.7
Telfer Ranch	6000	3/1	34	8.4	7.2	7.7
LITTLE WOOD RIVER						
#Bear Canyon	7920	2/25	61	19.6	11.4	15.8
Garfield Ranger Station	6554	2/28	39	10.4	8.8	10.0
Muldoon	6300	2/28	25	5.6	7.2	7.8
Swede Peak	7650	2/28	62	18.3	12.8	15.4
BIG WOOD RIVER						
Camas Creeks Divide	5720	3/9	45	16.1	9.9	--
#Couch Summit	6950	2/27	66	22.6	12.8	16.5*
Dollarhide Summit	8620	2/25	80	28.4	16.9	--
Galena	7300	2/26	73	24.5	11.6	17.2
Galena Summit	8795	2/26	86	30.7	13.7	20.6
Graham Ranch	6200	2/26	53	14.5	9.6	12.4
#Lost Wood Divide	7900	2/25	85	28.7	--	--
Mascot Mine	7900	2/25	50	15.4	8.9	12.1
Mount Baldy	9000	3/1	91	26.8	13.2	18.0
Soldier Ranger Station	6100	2/27	47	14.3	9.6	11.2*
#Vienna Mine	8900	2/25	115	44.0	21.2	32.0*

*(b) 1958-72, 15 year period. #Nat located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA SCS PORTLAND OREGON 1974 M7-0-22023P

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)
BOISE RIVER						
Atlanta Summit	7500	3/9	144	53.3	21.6	30.2
Bad Bear	5500	2/26	60	18.8	8.8	13.1*
#Bennett Mountain	6650	3/9	63	22.6	12.8	15.5*
#Bogus Basin	6120	2/28	74	27.5	15.2	20.7
Bogus Basin Road	5360	2/28	30	10.2	T	5.4
#Camas Creeks Divide	5720	3/9	45	16.1	9.9	--
Couch Summit	6950	2/27	66	22.6	12.8	16.5*
Deadman Gulch	5600	2/28	59	19.5	9.0	14.0*
#Dollarhide Summit	8620	2/25	80	28.4	16.9	--
Jackson Peak	7000	2/26	104	37.2	23.2	27.2*
#Little Camas Flat	4950	2/26	29	9.3	7.7	--
Moores Creek Summit	6100	2/26	105	36.4	23.0	28.1
Prairie	4900	2/27	28	7.6	3.1	5.3
#Soldier Ranger Station	6100	2/27	47	14.3	9.6	11.2*
Trinity Mountain	7780	3/9	151	60.7	26.9	37.8
#Vienna Mine	8900	2/25	115	44.0	21.2	32.0*
PAYETTE RIVER						
#Big Creek Summit	6600	3/4	129	47.2	23.1	31.4
Bogus Basin	6120	2/28	74	27.5	15.2	20.7
#Brundage Mountain	7560	2/27	139	56.2	32.5	42.2*
Cozy Cove	5900	2/27	57	18.7	11.0	15.1
Crawford Ranger Station	4800	2/28	37	10.4	4.3	7.7
#Deadman Gulch	5600	2/28	59	19.5	9.0	14.0*
Deadwood Airstrip	5440	2/27	54	17.6	10.9	14.5
Deadwood Dam	5290	2/27	57	18.4	11.2	15.5
Deadwood Summit	7000	3/9	172	64.5	33.8	40.3*
High Valley Summit	5170	2/28	46	13.1	9.0	10.3*
#Jackson Peak	7000	2/26	104	37.2	23.2	27.2*
Lake Fork	6000	3/6	69	22.3	10.4	14.1*
Rock Flat Summit	5200	2/27	70	21.6	11.4	16.2
Secesh Summit	6600	2/27	130	50.6	26.0	--
Squaw Meadow	5800	3/8	139	51.4	27.5	32.1*
Tripod Summit	5200	2/28	73	24.7	12.6	15.8*
WEISER RIVER						
Boulder Creek	5500	2/26	96	33.6	16.8	21.8*
Placer Creek	6000	3/2	74	23.5	15.2	15.9*
MANN CREEK						
Mann Creek	5980	2/27	83	30.7	19.8	--
Robinson Creek Ridge	6220	2/27	63	23.3	--	--
Sturgill Ridge	6680	2/27	104	37.8	24.9	--
Thorson Cabin	5320	2/27	55	17.7	9.8	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [b]
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE							
RAFT RIVER							
Boy Scout Camp		7600	2/28	49	17.2	13.5	13.2*
Clear Creek Mdws.	Utah	9050	2/26	63	19.9	20.7	18.2*
Howell Canyon		8000	2/28	95	36.9	18.5	22.2
One Mile Summit	Utah	7330	2/26	25	5.8	7.5	6.8*
Sheep Hollow		6200	2/28	23	7.2	7.1	5.6*
Sublett		6000	2/26	54	17.2	8.1	9.9
Summit Springs		6400	2/26	50	16.8	9.8	9.7*
GOOSE CREEK							
Badger Gulch		6660	2/26	51	17.0	8.4	10.1
Bostetter Rgr. Sta.		7500	2/26	73	25.2	15.9	17.5
Vi Pont		7670	2/26	50	16.0	13.0	12.7*
SALMON FALLS CREEK							
#Bear Creek	Nev.	7800	2/23	63	17.8	16.8	17.3
Cedar Creek		7000	2/23	45	11.9	7.4	8.8
Deadline		6900	2/24	79	25.8	18.9	19.9
#Fox Creek	Nev.	6800	2/23	41	11.0	8.8	9.3
Goat Creek	Nev.	8800	2/23	57	16.7	15.2	16.1*
#Hummingbird Spgs.	Nev.	8945	2/23	70	21.0	18.0	19.6*
Magic Mountain		6700	2/24	70	22.8	14.9	16.2
#Pole Creek R. S.	Nev.	8330	2/23	64	19.7	16.6	16.8
Red Point	Nev.	7940	2/23	39	10.7	7.3	--
Shoshone Basin		5740	2/24	32	8.9	5.6	4.2
Wilson Creek		7500	2/23	46	11.3	11.8	--
BRUNEAU RIVER							
Bear Creek	Nev.	7800	2/23	63	17.8	16.8	17.3
Fox Creek	Nev.	6800	2/23	41	11.0	8.8	9.3
Hummingbird Springs	Nev.	8945	2/23	70	21.0	18.0	19.6*
Pole Creek R. S.	Nev.	8330	2/23	64	19.7	16.6	16.8
#Seventy-six Creek	Nev.	7100	2/23	50	14.8	10.4	10.0*
OWYHEE RIVER							
Antelope Ridge		5900	2/28	34	10.1	4.4	6.1*
#Bear Creek	Nev.	7800	2/23	63	17.8	16.8	17.3
#Fox Creek	Nev.	6800	2/23	41	11.0	8.8	9.3
Mud Flat		5500	2/28	30	8.4	4.8	5.4
#Seventy-six Creek	Nev.	7100	2/23	50	14.8	10.4	10.0*
Silver City		6400	2/25	51	16.6	8.6	13.8
South Mountain		6340	3/4	47	16.2	7.4	10.7

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

USDA SCS PORTLAND OREGON 1974 M7-0-2203P

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	2/28	30	8.0	7.7	9.0
Kilgore	6200	2/27	34	9.9	9.5	10.1
HENRYS FORK RIVER						
Big Springs	6500	2/26	69	22.3	14.7	18.6
Black Canyon	7850	2/26	103	39.8	26.0	29.4*
Black Canyon (New)	7850	2/26	106	39.4	26.6	--
Black Moose	8125	2/26	117	46.0	30.4	36.2*
Grassy Lake Wyo.	7230	2/26	106	33.4	25.9	30.1
Island Park	6315	2/27	59	17.7	12.0	14.7
Latham Springs	7650	2/26	103	37.6	27.2	27.9*
Lucky Dog	6900	2/26	82	28.4	19.6	21.6*
Sawtelle Mountain	8715	2/27	90	33.3	22.9	30.4*
Targhee Pass	7000	2/27	42	12.3	8.0	13.5*
Valley View	6500	2/27	44	14.1	8.0	15.4
White Elephant	7700	2/27	80	28.6	17.2	--
TETON RIVER						
Darby Canyon Wyo.	8250	3/10	87	28.3	17.0	--
Freds Mountain Wyo.	8000	2/25	76	24.6	19.6	--
Garns Mountain	8300	3/10	117	42.4	28.9	--
Indian Meadows Wyo.	8200	3/10	128	45.6	27.5	--
Jackpine Creek Wyo.	7500	3/10	82	27.2	18.2	--
McRenold Reservoir	6800	3/10	72	23.4	15.6	--
Miles Creek Wyo.	7500	3/10	49	15.2	11.8	--
Phillips Bench Wyo.	8200	3/1	88	31.1	20.6	--
Pine Creek Pass	6750	2/25	62	19.0	13.4	15.4*
State Line	6400	2/25	49	13.5	10.8	12.6
Teton Pass W.S. Wyo.	8400	3/1	77	29.4	20.1	--
WILLOW CREEK						
Aspen Grove	6600	3/9	47	14.5	11.0	10.3*
Birch Creek	6800	3/9	50	16.9	9.2	14.3*
Blue Ridge	6775	3/9	60	20.9	--	--
Bone	6200	2/26	31	8.5	8.0	7.5*
Brockman Station	6500	3/9	35	11.2	--	--
Hell Creek	7100	3/9	51	18.1	--	--
Mud Creek	7150	3/9	47	15.8	--	--
Ozone	5800	2/26	8	2.3	2.6	--
Sheep Mountain	6510	2/26	46	14.1	12.5	12.6*
Tex Creek	6550	2/27	31	8.4	8.2	8.5*

*(b) 1958–72, 15 year period. #Not located directly on this druinage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivulent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
SAND CREEK						
Henry Creek	5650	2/26	20	4.4	5.2	2.4*
BLACKFOOT RIVER						
Austin Bros. Ranch	6450	2/28	33	9.1	8.0	7.9
Slug Creek Divide	7225	2/28	42	13.8	13.4	14.2*
Somsen Ranch	7000	2/28	46	13.7	10.8	12.0
PORTNEUF RIVER						
Dempsey Creek	6280	2/27	40	12.3	10.6	10.6
Lower Pebble	5800	2/27	47	14.9	10.9	12.1*
Mink Creek	6300	2/27	54	18.9	13.6	13.8
Pebble Creek	6550	2/27	49	17.2	12.8	13.5

USDA-SCS PORTLAND OREGON 1974 M7-0-22023P

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Averoge. (A) Aerial observotion Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radiooctive Goge snow-woter equivolent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	2/26	77	26.8	17.8	21.4*
Emigration Canyon	6500	2/26	36	10.4	8.6	9.7*
Montpelier Creek						
Giveout	6840	2/28	40	12.0	8.2	11.0*
Little Beaver	6970	2/28	46	14.4	11.8	14.0*
Lower Home Canyon	7500	2/26	43	11.9	9.8	--
Montpelier Creek	6570	2/28	33	9.3	5.5	7.5*
Upper Home Canyon	8500	2/28	64	21.1	13.8	--
Whiskey Flat	6985	2/28	28	8.6	6.1	8.9*
Mink Creek						
Christensen Ranch	5600	2/26	42	12.4	8.4	7.7
Dry Basin	7900	2/28	86	30.8	19.3	--
#Emigrant Summit	7350	2/26	77	26.8	17.8	21.4*
Horseshoe Basin	8000	2/28	71	25.0	18.7	--
Liberty Spring	8600	2/28	110	42.0	25.6	31.7*
Strawberry Creek	5800	2/26	44	14.1	10.9	9.6
Strawberry Mink Divide	6800	2/26	71	24.4	18.0	18.5
Cub River						
Cub River R. S.	5400	2/28	45	14.3	7.3	8.0
#Franklin Basin	8000	2/28	76	27.4	--	--
Willow Flat	6100	2/28	60	19.7	11.6	13.2
MALAD RIVER						
Cliff Canyon	7200	2/25	32	9.1	7.2	--
Daniels Creek	6400	2/25	28	7.8	6.5	--
Dry Creek Flat	6350	2/27	33	10.9	11.4	6.6
Lower Elkhorn	6850	2/27	41	13.6	12.0	12.4*
Oxford Mountain	6800	2/27	34	10.0	9.6	8.9
Upper Elkhorn	7100	2/27	52	17.0	16.2	16.0*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	3/4	10.2	9.2	10.2
Lookout	5250	48	11.0	2/26	8.6	7.6	6.8
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	3/4	4.0	4.2	4.2
Lemhi River							
Above Gilmore	8200	60	5.4	3/4	4.2	3.3	3.9
LITTLE LOST RIVER							
Fairview Guard Station	5850	48	10.1	2/26	8.5	7.2	8.2
Wet Creek Summit	8175	48	17.1	2/25	13.5	12.9	13.6
RAFT RIVER							
Howell Canyon	8000	48	11.5	2/28	9.1	8.6	7.6
Sheep Hollow	6200	36	7.5	2/28	6.8	6.6	6.5
Sublett	6000	36	7.0	2/26	6.4	4.2	6.1
GOOSE CREEK							
Badger Gulch	6660	36	7.0	2/26	5.1	6.7	6.5
SALMON FALLS CREEK							
Deadline	6900	36	7.4	2/24	6.8	7.0	--
Patrick Ranch	5720	36	7.7	2/23	5.1	5.7	7.0
Pole Creek R. S.	8330	48	9.7	2/23	8.1	7.7	8.0
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	2/23	11.1	10.4	11.0
HENRYS FORK RIVER							
Island Park	6315	48	9.9	2/27	10.6	8.4	8.3
Valley View	6500	48	13.3	2/27	9.3	Frozen	7.7
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	2/27	8.2	7.6	7.6
Pebble Creek	6550	48	7.2	2/27	6.5	5.9	5.6

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	9.2	2/26	7.4	5.4	7.1
Strawberry Creek	5800	48	12.7	2/26	11.0	7.7	11.8
Montpelier Creek							
Giveout Pass	7025	36	9.4	2/28	7.6	--	Frozen
Jenson Ranch	6580	48	18.7	2/28	11.8	--	7.6

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
ROOM 345
304 N. 8TH ST.
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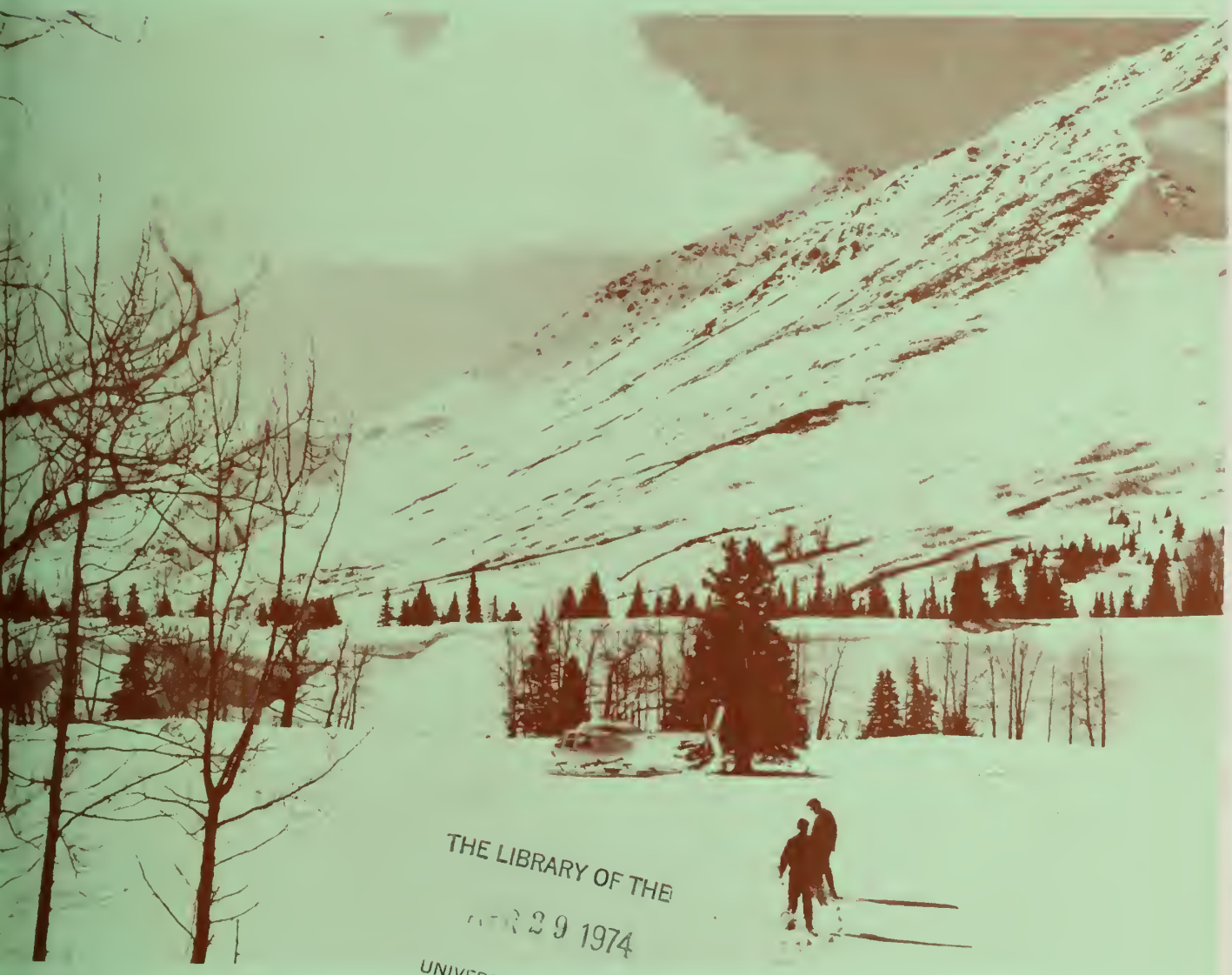
WATER SUPPLY OUTLOOK FOR IDAHO



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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
APR. 1, 1974

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appeors as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
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DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR APRIL 1, 1974

The water supply outlook for 1974 is good to excellent throughout Idaho. Forecasts of streamflow for major drainages vary from 106% of normal for the Bruneau River to 183% of average for the Big Wood River. Forecasts for smaller drainages vary from 87% for Montpelier Creek to 170% for Inflow to Oakley Reservoir.

In general, snowfall during March was above normal at the higher elevations throughout the state. Measurements taken during the first week of April established new record snow-water equivalent values for thirty snow courses in Northern and Southwestern Idaho watersheds and on the Henrys Fork and Teton drainages. The Lost Lake snow course on the Clearwater River measured 23½ feet of snow with a record 89.0 inches of water. On the Boise-Payette-Salmon drainages, new records were established on the Big Creek Summit, Deadwood Summit, Trinity Mountain and Atlanta Summit snow courses. Many other courses are at near record levels. The snowpack ranges from a low of 89% of normal on the Fish Creek drainage in Southcentral Idaho to 164% of average on the Palouse watershed in the northern panhandle.

Valley precipitation during March was above normal in all areas of the state, ranging from 123% of average in the Clearwater River division to 235% of normal in the Upper Snake River division.

The combination of precipitation and lower elevation snowmelt produced considerable runoff during March which would normally occur later in the spring. Streamflow throughout the state was well above normal and classified as excessive for all major drainages. Soil moisture is good to excellent.

Reservoir storage in general is average or above. Many reservoirs are being drafted to provide space for expected high flows during the snowmelt runoff period. All major reservoirs are expected to be filled for the start of irrigation.

The heavy snowpack existing over most of the state poses a definite potential for high volume runoff on many watersheds. A combination of warm temperatures and rain or a chinook wind could cause flooding in several areas of the state.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter March 1974		Fall - Winter Nov. 73 - Mar. 74	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	2.68	+0.83	21.24	+ 7.12
Flathead	2.62	+1.02	16.29	+ 5.16
Clark Fork	1.33	+0.58	7.05	+ 2.10
Pend Oreille-Spokane	4.00	+1.26	32.17	+13.42
Upper Snake	3.57	+2.05	14.43	+ 4.32
Snake River Plain	1.67	+0.90	6.50	+ 1.59
Salmon-Payette-Boise	3.86	+2.10	19.26	+ 7.22
Clearwater	3.48	+0.65	20.66	+ 5.02
Owyhee-Malheur	1.28	+0.42	6.81	+ 1.18

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-72) drainage division average.

COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	27	187	139
Pend Oreille River	88	191	128
Clark Fork River	60	196	129
Flathead River	28	184	127
Priest River	4	203	142
Spokane River	16	261	137
LOWER SNAKE RIVER BASIN			
Palouse River	4	830	164
Clearwater River	22	201	124
Salmon River	23	194	144
Lemhi River	6	198	147
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	160	133
Big Lost River	6	174	132
Fish Creek	2	91	89
Little Wood River	4	157	130
Big Wood River	10	202	144
Canyon Creek	1-2	146	122
Boise River	14	200	144
Payette River	16	190	141
Weiser River	2	175	147
Mann Creek	4	157	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	111	136
Goose-Trapper Creeks	2-3	129	152
Salmon Falls Creek	11	96	111
Bruneau River	5	95	103
Owyhee River	5	95	120
Jordan Creek	4	170	135
UPPER SNAKE RIVER BASIN			
Snake Basin - Wyoming	20	171	135
Camas-Beaver Creeks	3	140	120
Henrys Fork River	8	170	145
Teton River	2-11	136	151
Willow-Sand Creeks	7	100	115
Blackfoot River	3	101	106
Portneuf River	4	115	116
GREAT BASIN			
Bear River - Upper	11	130	110
Bear River - Lower	19	116	118
Montpelier Creek	4-6	113	90
Mink Creek	5-7	117	90
Cub River	3	134	126
Malad River	4-6	73	103

SNOW WATER DEPTHS

As percent of 1958-72 15 year average

APRIL 1, 1974

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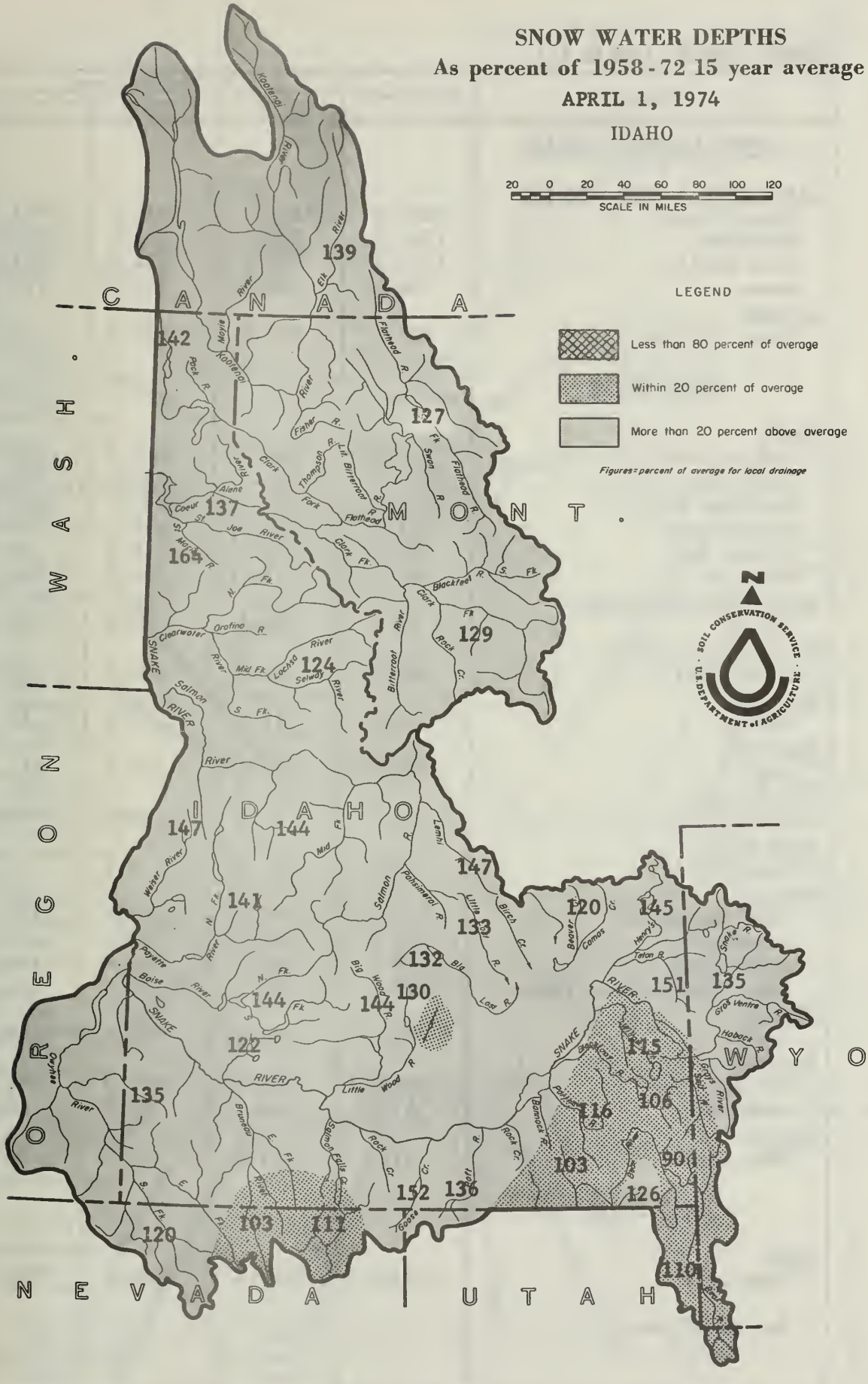


RESERVOIR STORAGE (1,000 Ac. Ft.)

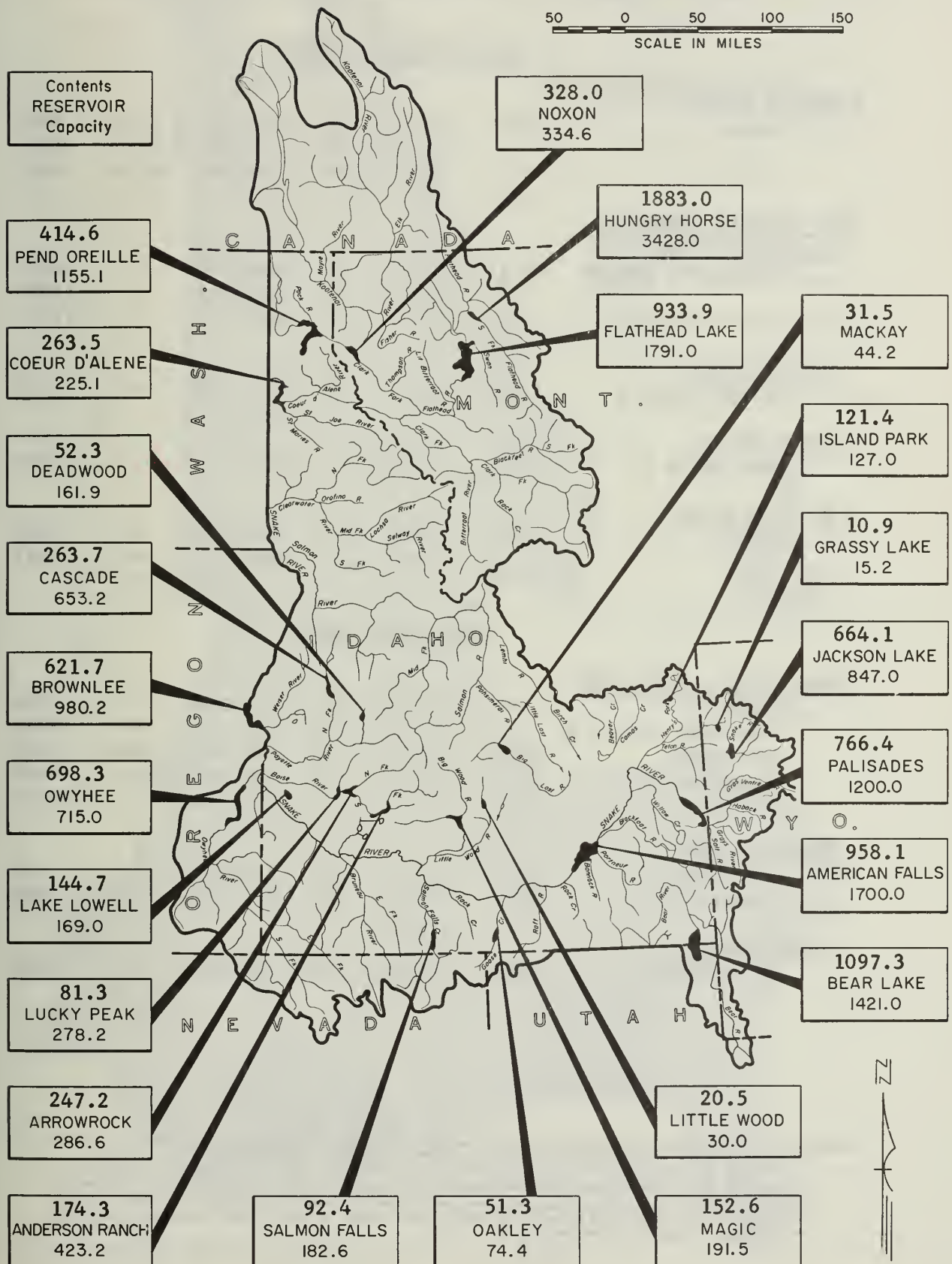
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1883.0	2029.0	2157.0
Flathead	1791.0	933.9	669.4	794.5
Pend Oreille	1155.1	414.6	314.9	477.1
Noxon	334.6	328.0	149.1	198.5
Spokane				
Coeur d'Alene	225.1	263.5	83.9	174.0
SNAKE BASIN				
Snake				
Jackson Lake	847.0	664.1	640.0	517.0
Palisades	1200.0	766.4	911.1	794.4
American Falls	1125.0	958.1	1114.7	998.2
Island Park	127.0	121.4	118.8	123.7
Grassy Lake	15.2	10.9	10.6	10.5
Brownlee	980.2	621.7	584.5	324.4*
Goose-Trapper Creeks				
Oakley	74.4	51.3	52.9	22.9
Salmon Falls Creek				
Salmon Falls	182.6	92.4	108.7	42.6
Big Lost				
Mackay	44.2	31.5	39.3	32.1
Big Wood				
Magic	191.5	152.6	140.4	115.1
Little Wood				
Little Wood	30.0	20.5	20.5	16.7
Fish Creek				
Carey Valley	13.0	12.0	6.1	--
Boise				
Anderson Ranch	423.2	174.3	301.1	229.9
Arrowrock	286.6	247.2	278.8	231.5
Lucky Peak	278.2	81.3	226.4	119.2
Lake Lowell (Deer Flat)	169.0	144.7	138.4	143.3
Owyhee				
Owyhee	715.0	698.3	702.6	509.2
Payette				
Cascade	653.2	263.7	371.7	304.9
Deadwood	161.9	52.3	97.9	84.6
Weiser				
Mann Creek	11.1	9.8	8.9	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1097.3	1064.4	974.9

* Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

APRIL 1, 1974



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average[+]
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	11200	123	Apr-Sep	5936	9073
		9950	125	Apr-Jul	5115	7957
		8000	124	Apr-Jun	4220	6431
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	17800	124	Apr-Sep	--	14336
		16270	124	Apr-Jul	--	13086
		13800	122	Apr-Jun	--	11325
Priest River						
Priest River 1/	(at)	1055	120	Apr-Jul	--	879
SPOKANE RIVER						
Post Falls 2/	(at)	4500	151	Apr-Sep	--	2983
St. Joe River						
Calder	(at)	2050	152	Apr-Sep	--	1345
		1980	155	Apr-Jul	--	1277
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	1220	142	Apr-Sep	--	858
Palisades Inflow 3/		5110	138	Apr-Sep	--	3714
Heise 4/	(nr)	5350	137	Apr-Sep	3004	3913
Blackfoot 5/	(nr)	5700	136	Apr-Jul	--	4191
Weiser	(at)	8550	131	Apr-Sep	--	6524
Henrys Fork						
Ashton 6/	(nr)	850	127	Apr-Sep	--	671
Rexburg 7/	(nr)	1745	128	Apr-Sep	--	1362
Teton River						
St. Anthony	(nr)	565	128	Apr-Sep	--	442

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

APRIL 1, 1974

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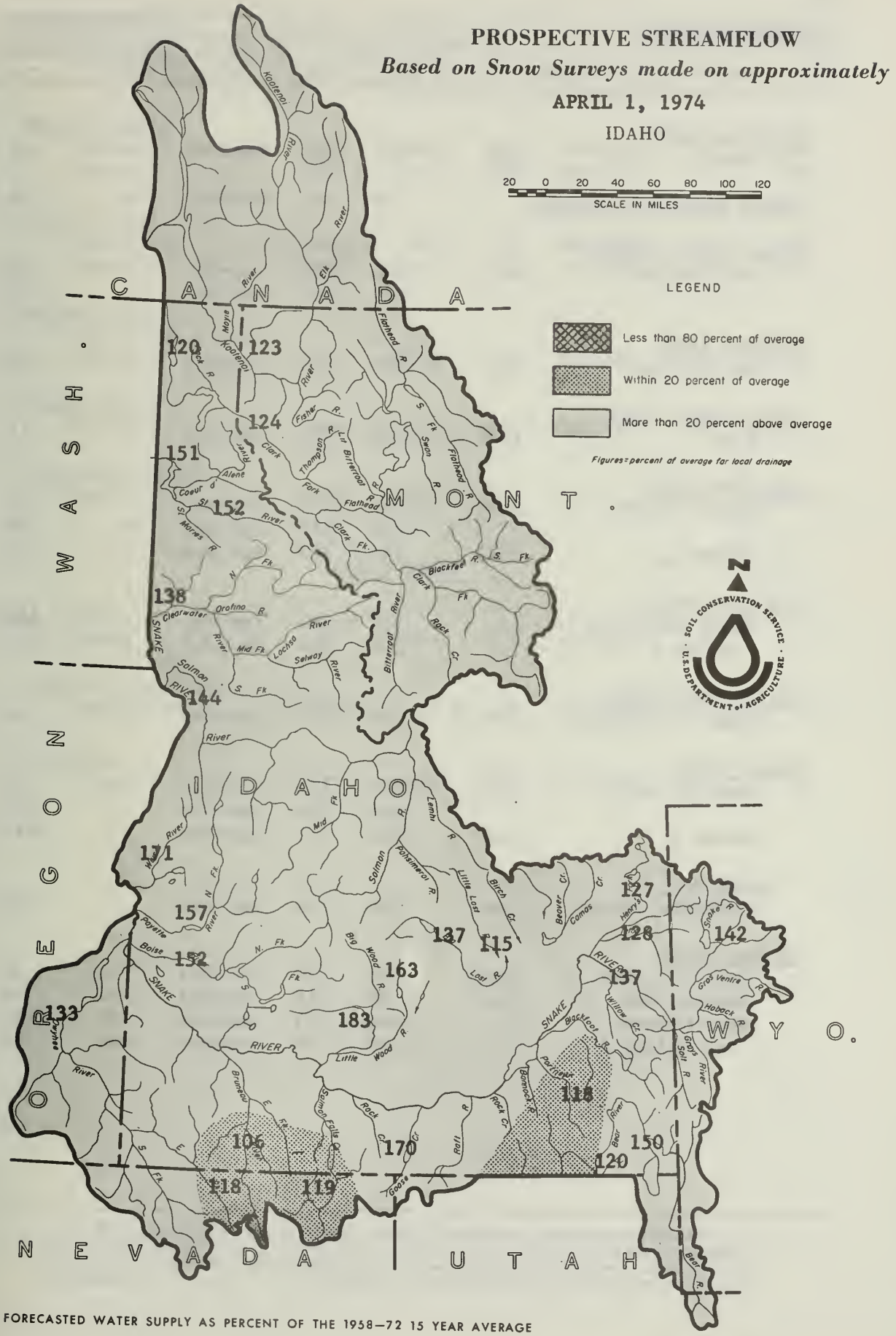


FORECASTED WATER SUPPLY AS PERCENT OF THE 1958—72 15 YEAR AVERAGE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
Portneuf River						
Topaz	(at)	110	118	Mar-Sep	--	93
Oakley Reservoir Inflow		50	170	Mar-Sep	--	29.3
Salmon Falls Creek						
San Jacinto	(nr)	100	119	Mar-Sep	--	84
		95	119	Mar-Jul	--	80
Bruneau River						
Hot Springs	(nr)	240	106	Mar-Sep	--	226
Little Lost River						
Howe	(nr)	47	115	Apr-Sep	--	41
Big Lost River						
Howell Ranch	(at)	280	135	Apr-Sep	--	208
		200	137	Apr-Jun	--	146
Mackay 1/	(nr)	245	137	Apr-Sep	--	179
Big Wood River						
Magic Reservoir		550	183	Apr-Sep	--	301
Inflow 2/		570	184	Mar-Jul	--	310
Little Wood River						
High Five Creek	(ab)	150	163	Apr-Sep	--	92
Boise River						
Twin Springs	(nr)	1100	153	Apr-Sep	--	719
		1025	154	Apr-Jul	--	665
Boise 3/	(nr)	2450	152	Apr-Sep	--	1611
South Fork						
Anderson Dam 4/	(at)	960	154	Apr-Sep	--	625
Owyhee River						
Gold Cr., Nev. 5/	(nr)	25	139	Apr-Jul	16	18
Owyhee, Nev. 5/	(nr)	80	118	Apr-Jul	60	68
Lake Owyhee		440	133	Apr-Sep	270	332
net inflow 6/		420	136	Apr-Jul	243	309

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

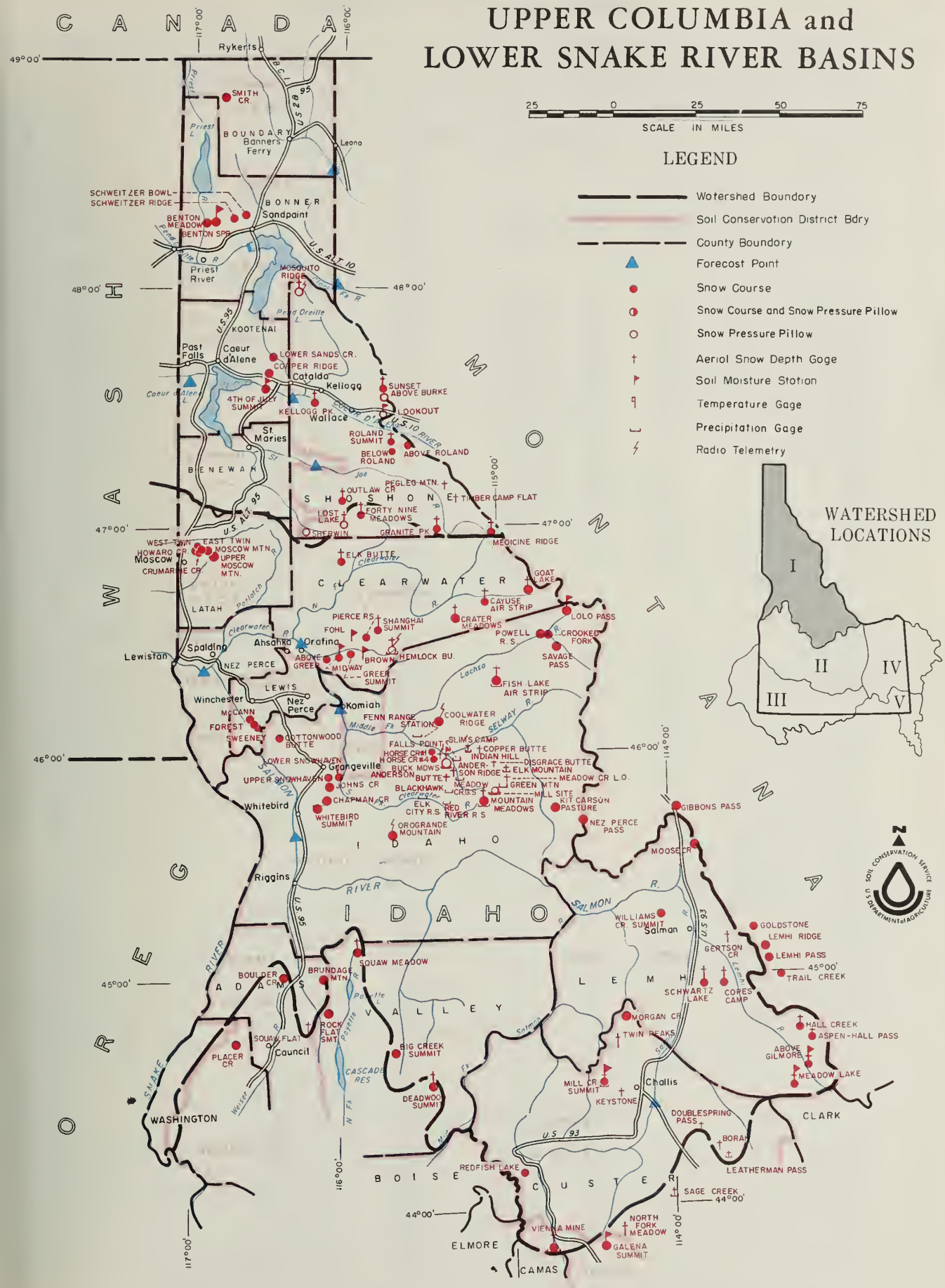
† 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	2900	157	Apr-Sep	--	1850
Banks 2/	(nr)	1570	158	Apr-Jul	--	993
North Fork						
Cascade 3/	(at)	880	157	Apr-Sep	--	562
Banks 3/	(nr)	1145	157	Apr-Sep	--	730
Weiser River						
Weiser ab. Crane Creek 4/		875	171	Mar-Sep	--	511
Salmon River						
Whitebird	(at)	10000	144	Apr-Sep	--	6959
Clearwater River						
Spalding	(at)	11750	138	Apr-Sep	--	8514
GREAT BASIN						
BEAR RIVER						
Harer	(at)	406	150	Apr-Sep	--	271
Montpelier Creek						
Montpelier	(nr)	10.8	87	Apr-Sep	--	12.4
Cub River						
Preston	(nr)	60	120	Apr-Sep	--	50

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

UPPER COLUMBIA and LOWER SNAKE RIVER BASINS



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INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR ANO	RGE. / LONG.	ELEV.
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
16A1	I	Smith Creek	29	64N	3W	4800
PEND OREILLE - PRIEST RIVER						
16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
SPOKANE RIVER						
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B15a	I	Pegleg Mountain	15	44N	9E	5735
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
15B16a	I	Timber Camp Flat	23	44N	9E	4300
LOWER SNAKE BASIN						
PALOUSE RIVER						
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C7SR	I	Upper Moscow Mountain	16	40N	4W	4600
16C4P	I	West Twin	14	40N	5W	4250

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

NO.	STATE	NAME	SEC. / LAT.	TWP. OR ANO	RGE. / LONG.	E
CLEARWATER RIVER						
16C11	I	Above Greer	14	35N	2E	1
15D7a	I	Anderson Butte	34	30N	9E	6
15D8a	I	Anderson Ridge	35	30N	9E	5
15D9p	I	Blackhawk	31	29N	10E	6
16C14m	I	Brown	11	35N	3E	3
15D5MAP	I	Buck Meadows	26	31N	8E	5
15C3A	I	Cayuse Airstrip	4	38N	11E	3
15C7R	I	Coolwater Mountain	32	33N	8E	6
15D10a	I	Copper Butte	35	31N	10E	6
16C16	I	Cottonwood Butte	33	32N	1W	5
15C9A	I	Crater Meadows	2	3[illegible]	9E	6
14C10	I	Crooked Fork	27	37N	14E	3
15D11a	I	Disgrace Butte	26	30N	10E	6
16C15A	I	Elk Butte	6	40N	3E	5
15D12p	I	Elk City Rgr. Sta.	23	29N	8E	4
15D13ap	I	Elk Mountain	34	30N	11E	6
15C11a	I	Falls Point	10	31N	9E	4
15C12p	I	Fenn Ranger Station	23	32N	7E	1
15C2AP	I	Fish Lake Airstrip	35	35N	11E	5
15C8m	I	Fohl	16	36N	5E	3
16C9	I	Forest	1	32N	3W	4
15B3A	I	Forty-nine Meadows	6	43N	5E	5
14C9A	I	Goat Lake	4	38N	13E	6
15D14p	I	Green Mountain	15	28N	11E	7
16C13	I	Greer Summit	13	35N	2E	3
15C6APR	I	Hemlock Butte	7	36N	7E	5
15C8s	M	Hoodoo Basin	17	14N	27W	6
15C1	M	Hoodoo Creek	16	14N	27W	5
15C14	I	Horse Creek #1	25	31N	8E	5
15C15	I	Horse Creek #4	5	30N	9E	5
15D21a	I	Horse Point	4	30N	9E	5
15D22ap	I	Indian Hill	30	31N	10E	6
14D3	I	Kit Carson Pasture	4	27N	16E	5
14C5M	I	Lolo Pass	16	38N	15E	5
15B14AS	I	Lost Lake	16	43N	4E	6
15D15p	I	Lower Horse Creek	28	31N	9E	4
16D7	I	Lower Snowhaven	9	29N	3E	5
16C8	I	McCann	25	33N	3W	4
15D16p	I	Meadow Creek Guard Station	5	29N	10E	2
15D17a	I	Meadow Creek Lookout	25	29N	11E	7
16C12M	I	Midway	14	35N	2E	2
15D18ps	I	Mill Site	22	28N	11E	6
15D6AP	I	Mountain Meadows	9	27N	10E	6
14D1	M	Nez Perce Pass	25	1S	24W	6
15D4R	I	Orogrande Mountain	24	27N	6E	7
15C5	I	Pierce Ranger Station	2	36N	5E	3
14C6	I	Powell Ranger Station	33	37N	14E	4
15D19p	I	Red River Ranger Station	4	27N	9E	4
15D20a	I	Sable Hill	14	29N	10E	6
14C4	I	Savage Pass	18	36N	15E	6
15C4A	I	Shanghai Summit	7	37N	6E	4
15C13p	I	Slim's Camp	11	31N	9E	1
16C10	I	Sweeney	1	32N	3W	4
16D4	I	Upper Snowhaven	8 & 9	29N	3E	5
SALMON RIVER						
13E19MA	I	Above Gilmore	13	13N	26E	8
13E21A	I	Aspen-Hall Pass	6	16N	28E	8
15E2	I	Big Creek Summit	24	15N	5E	6
13E8a	I	Borah	21	10N	23E	8
16D6	I	Brundage Mountain	6	19N	3E	7
16D2	I	Chapman Creek	16	29N	2E	4
13E17A	I	Copes Camp	36	18N	22E	7
13E25a	I	Doublespring Pass	3	10N	22E	8
13D17a	I	Gertson Creek	22	22N	23E	8
13D2	M	Gibbons Pass	4	2S	19W	7
13D9	M	Gold Stone	11	8S	16W	8
13E20A	I	Hall Creek	1	16N	27E	7
16D3	I	Johns Creek	9	29N	2E	3
14E6a	I	Keystone	15	13N	18E	7
13E24ap	I	Leatherman Pass	20	9N	23E	9
13E1	M	Lemhi Pass	9	10S	15W	7
13E23	M	Lemhi Ridge	4	10S	15W	8
13E18MA	I	Meadow Lake	24	13N	26E	9
14E1MAP	I	Mill Creek Summit	8	13N	17E	8
13D16	I	Moose Creek	22 & 26	27N	21E	6
14E4	I	Morgan Creek	32	18N	19E	7
14E2	I	Redfish Lake	3	9N	13E	6
13E16A	I	Schwartz Lake	34	18N	22E	8
13E2	M	Trail Creek	15	10S	15W	7
14E3a	I	Twin Peaks	28	15N	17E	10
14F4AP	I	Vienna Mine	32	6N	14E	8
16D5	I	Whitebird Summit	17	29N	2E	4
14D4	I	Williams Creek Summit	34	21N	20E	7

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Smith Creek	4800	3/29	170	70.5	36.9	48.5
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	3/27	8	2.4	0.1	3.4
Benton Spring	4900	4/2	85	32.1	14.4	19.4
#Mosquito Ridge	5110	3/25	134	57.6	28.0	40.3
Schweitzer Bowl	4500	3/27	108	45.3	21.8	31.7*
Schweitzer Ridge	6100	3/27	148	66.0	35.5	48.3*
HAYDEN LAKE						
Chilco Ridge	3650	3/25	28	9.9	0.0	--
Conie Creek Ridge	3900	3/25	34	12.7	0.0	--
Corner Creek	3200	3/25	12	4.1	T	--
Sage Creek Saddle	4100	3/25	80	31.1	9.4	--
Ulrich Creek	2800	3/25	6	1.7	0.0	--
SPOKANE RIVER						
Above Burke	4100	3/27	83	31.3	10.6	25.6*
Above Burke (SP)	4100	3/27	--	31.8	11.8	--
Above Roland	4350	3/25	114	50.2	16.5	35.8*
Below Roland	3770	3/25	52	21.8	3.1	17.4*
Copper Ridge	4800	3/26	97	41.6	11.5	30.0
#Forty-nine Meadows	5000	4/4	119	41.8	17.5	34.9
Fourth of July Summit	3100	3/25	37	14.2	0.0	7.8
Granite Peak	6000	4/4	174	59.0	31.7	47.5*
Kellogg Peak	5560	3/25	124	52.9	18.9	34.7*
Lookout	5250	3/27	122	47.1	20.8	38.7
#Lost Lake	6000	4/4	282	89.0	36.9	62.1*
Lower Sands Creek	3400	3/26	82	31.2	8.4	20.7
Medicine Ridge	6150	4/4	184	60.6	30.2	48.1*
Mosquito Ridge	5110	3/25	134	57.6	28.0	40.3
Roland Summit	5200	3/25	139	59.5	21.5	39.2*
Sherwin	3200	3/26	59	22.7	4.4	13.8*
Sherwin (SP)	3200	3/26	--	22.4	--	--
Sunset	5600	3/25	126	52.0	20.7	39.3*
LOWER SNAKE RIVER BASIN						
Crumarine Creek	3340	3/28	18	7.5	0.0	4.1*
East Twin	4050	3/28	32	13.4	0.0	9.6
Moscow Mountain	4400	3/28	75	27.3	7.9	17.7
West Twin	4250	3/28	44	17.4	0.0	8.7

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
CLEARWATER RIVER						
Cayuse Airstrip	3700	3/27	48	14.3	1.2	9.6
Coolwater Mountain	6200	3/27	105	36.0	24.2	32.9*
Coolwater Mountain (SP)	6200	3/31	--	37.7	17.4	--
Cottonwood Butte	5140	3/31	41	15.3	9.0	--
Crater Meadows	6100	3/27	131	49.4	30.5	48.7*
Crooked Fork	3600	3/27	53	20.7	6.9	14.3*
Elk Butte	5550	4/4	158	56.0	20.6	39.6*
Fish Lake Airstrip	5000	3/27	132	45.2	25.0	42.4
Forty-nine Meadows	5000	4/4	119	41.8	17.5	34.9
Goat Lake	6600	3/27	144	54.4	34.9	52.1*
#Granite Peak	6000	4/4	174	59.0	31.7	47.5*
Hemlock Butte	5500	3/27	165	59.6	36.7	52.9*
#Hoodoo Basin Mont.	6000	3/27	164	73.6	35.4	53.8
#Hoodoo Creek Mont.	5900	3/27	154	67.7	33.4	50.3
Kit Carson Pasture	5020	3/25	41	14.8	5.4	9.1
Lolo Pass	5250	3/27	97	41.2	20.2	32.8
Lost Lake	6000	4/4	282	89.0	36.9	62.1*
Lower Snowhaven	5250	3/31	57	22.8	13.7	--
#Medicine Ridge	6150	4/4	184	60.6	30.2	48.1*
#Nez Perce Pass Mont.	6575	3/26	66	25.4	11.8	17.3
Orogrande Mountain	7800	3/27	125	42.2	31.2	40.6*
Orogrande Mountain (SP)	7800	3/31	--	55.2	25.2	--
Pierce Ranger Station	3170	4/1	39	16.0	3.1	9.4
Powell Ranger Station	3410	3/28	46	17.9	3.7	12.5*
Savage Pass	6160	3/27	85	33.5	19.7	28.3
Savage Pass (New)	6160	3/27	89	34.7	19.7	--
Shanghai Summit	4600	3/29	102	36.2	14.4	28.2*
Upper Snowhaven	5600	3/31	54	22.5	15.5	--
SALMON RIVER						
Big Creek Summit	6600	3/29	133	52.5	26.4	37.4
Borah (A)	8250	4/4	17	5.0	5.7	--
#Boulder Creek	5500	3/28	90	39.2	18.6	24.8
Brundage Mountain	7560	3/28	162	63.8	38.5	49.1*
#Deadwood Summit	7000	4/5	192	73.7	38.6	47.0
#Galena Summit	8795	3/27	101	38.6	17.2	25.0
#Gibbons Pass Mont.	7100	3/27	88	32.9	21.0	23.7
Leatherman Pass	9800	4/4	99	36.4	19.1	--
#Lemhi Pass Mont.	7480	3/27	33	10.4	7.0	9.2
#Lemhi Ridge Mont.	8100	3/27	44	13.8	8.2	10.4
Mill Creek Summit	8870	4/4	102	39.0	14.3	23.6
Moose Creek	6200	3/28	63	21.8	12.7	16.9
Morgan Creek	7580	3/28	58	19.0	9.5	14.1*
Redfish Lake	6600	3/28	43	13.4	4.6	9.8*
#Rock Flat Summit	5200	3/28	66	24.4	13.2	18.6
#Secesh Summit	6600	3/26	135	59.8	30.2	37.6

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
#Squaw Meadow	5800	3/26	124	54.6	30.8	38.8
Twin Peaks (A)	10300	4/4	108	41.3	16.4	--
Vienna Mine	8900	3/26	128	55.3	26.1	38.0
Williams Creek Summit	7800	3/29	56	17.2	9.2	13.4
Lemhi River						
Above Gilmore	8200	4/4	52	15.8	6.2	10.5*
Aspen-Hall Pass (A)	8110	4/4	48	12.7	9.0	9.6*
Copes Camp	7500	4/4	40	11.1	7.0	8.4*
Hall Creek	7560	4/4	24	7.0	5.4	5.4*
Meadow Lake	9100	4/4	92	33.3	13.1	20.5*
Schwartz Lake	8500	4/4	62	19.7	9.6	13.4*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	3/26	16	5.2	3.8	3.1
Lost Garfield	6600	3/26	14	4.3	3.4	2.6
Moonshine	7450	3/26	46	13.8	7.6	11.2
Sawmill Canyon	6900	3/26	31	9.0	7.0	7.9
Swauger Lake (A)	9050	4/4	29	8.5	14.3	--
Wet Creek Summit	7600	3/27	59	18.0	9.6	13.1
BIG LOST RIVER						
Bear Canyon	7920	3/26	80	28.2	13.5	18.8
Copper Basin	7650	3/26	42	14.8	7.1	10.3
Iron Bog	7650	3/28	58	18.9	10.1	14.6*
Leadbelt	6800	3/28	30	8.8	6.8	9.4*
#Leatherman Pass	9800	4/4	99	36.4	19.1	--
Lost-Wood Divide	7900	3/26	98	38.9	16.6	24.2*
Stickney Mill	7500	3/26	38	12.0	8.0	10.0
White Knob	7700	3/29	50	13.9	9.9	10.0*
FISH CREEK						
Iron Mine Creek	6370	3/29	36	11.0	9.5	10.2
Telfer Ranch	6000	3/29	13	4.0	7.0	6.6
LITTLE WOOD RIVER						
#Bear Canyon	7920	3/26	80	28.2	13.5	18.8
Garfield Ranger Station	6554	3/28	38	12.2	9.7	10.3
Muldoon	6300	3/28	15	5.0	7.0	7.1
Swede Peak	7650	3/28	77	24.8	14.6	17.8
BIG WOOD RIVER						
Camas Creeks Divide	5720	4/4	28	10.9	8.9	--
#Couch Summit	6950	3/25	65	24.7	14.8	18.8*
Dollarhide Summit	8620	3/26	91	34.7	17.9	27.7*
Galena	7300	3/27	80	30.4	13.2	19.8
Galena Summit	8795	3/27	101	38.6	17.2	25.0
Graham Ranch	6200	3/27	53	17.8	10.5	13.6
#Lost Wood Divide	7900	3/26	98	38.9	16.6	24.2*
Mascot Mine	7900	3/26	60	20.5	10.2	13.9
Mount Baldy	9000	3/29	95	31.9	16.0	21.2
Soldier Ranger Station	6100	3/25	32	11.9	8.2	9.6
#Vienna Mine	8900	3/26	128	55.3	26.1	38.0

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

MIDDLE SNAKE RIVER BASIN NORTHSIDE

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LITTLE LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

BIG LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2A	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

BIG WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

LITTLE WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500

FISH CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

BOISE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710

CANYON CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550

PAYETTE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

WEISER RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230

MANN CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
CANYON CREEK						
Bennett Mountain	6650	4/4	57	21.4	13.2	17.5*
#Camas Creeks Divide	5720	4/4	28	10.9	8.9	--
Little Camas Flat	4950	4/4	0	0.0	4.1	--
BOISE RIVER						
Atlanta Summit	7500	4/4	149	57.2	26.5	36.0
Bad Bear	5500	3/29	53	20.1	7.2	13.2*
#Bennett Mountain	6650	4/4	57	21.4	13.2	17.5*
#Bogus Basin	6120	4/1	83	32.3	19.0	24.2
Bogus Basin Road	5360	4/1	5	0.8	0.0	1.4
#Camas Creeks Divide	5720	4/4	28	10.9	8.9	--
Couch Summit	6950	3/25	65	24.7	14.8	18.8*
Deadman Gulch	5600	3/27	54	21.0	9.4	15.4*
#Dollarhide Summit	8620	3/26	91	34.7	17.9	27.7*
Jackson Peak	7000	3/29	129	50.4	25.5	32.4
#Little Camas Flat	4950	4/4	0	0.0	4.1	--
Moores Creek Summit	6100	3/29	116	46.4	24.2	32.5
Prairie	4900	3/28	12	4.3	0.0	2.8
Road Creek (A)	5550	4/4	30	11.7	3.8	--
#Soldier Ranger Station	6100	3/25	32	11.9	8.2	9.6
Trinity Mountain	7780	4/4	166	70.7	33.9	42.9*
#Vienna Mine	8900	3/26	128	55.3	26.1	38.0
PAYETTE RIVER						
#Big Creek Summit	6600	3/29	133	52.5	26.4	37.4
Bogus Basin	6120	4/1	83	32.3	19.0	24.2
#Brundage Mountain	7560	3/28	162	63.8	38.5	49.1*
Cozy Cove	5900	3/29	54	21.0	10.7	16.2
Crawford Ranger Station	4800	3/30	18	6.2	0.0	6.3
#Deadman Gulch	5600	3/27	54	21.0	9.4	15.4*
Deadwood Airstrip	5440	3/28	50	19.4	9.0	15.3
Deadwood Dam	5290	3/29	53	20.1	9.9	17.1
Deadwood Summit	7000	4/5	192	73.7	38.6	47.0
High Valley Summit	5170	3/27	40	14.2	10.7	11.8*
#Jackson Peak	7000	3/29	129	50.4	25.5	32.4
Lake Fork	6000	3/26	62	23.8	11.7	16.1
Rock Flat Summit	5200	3/28	66	24.4	13.2	18.6
Secesh Summit	6600	3/26	135	59.8	30.2	37.6*
Squaw Meadow	5800	3/26	124	54.6	30.8	38.8*
Tripod Summit	5200	3/25	66	28.8	14.7	18.3*

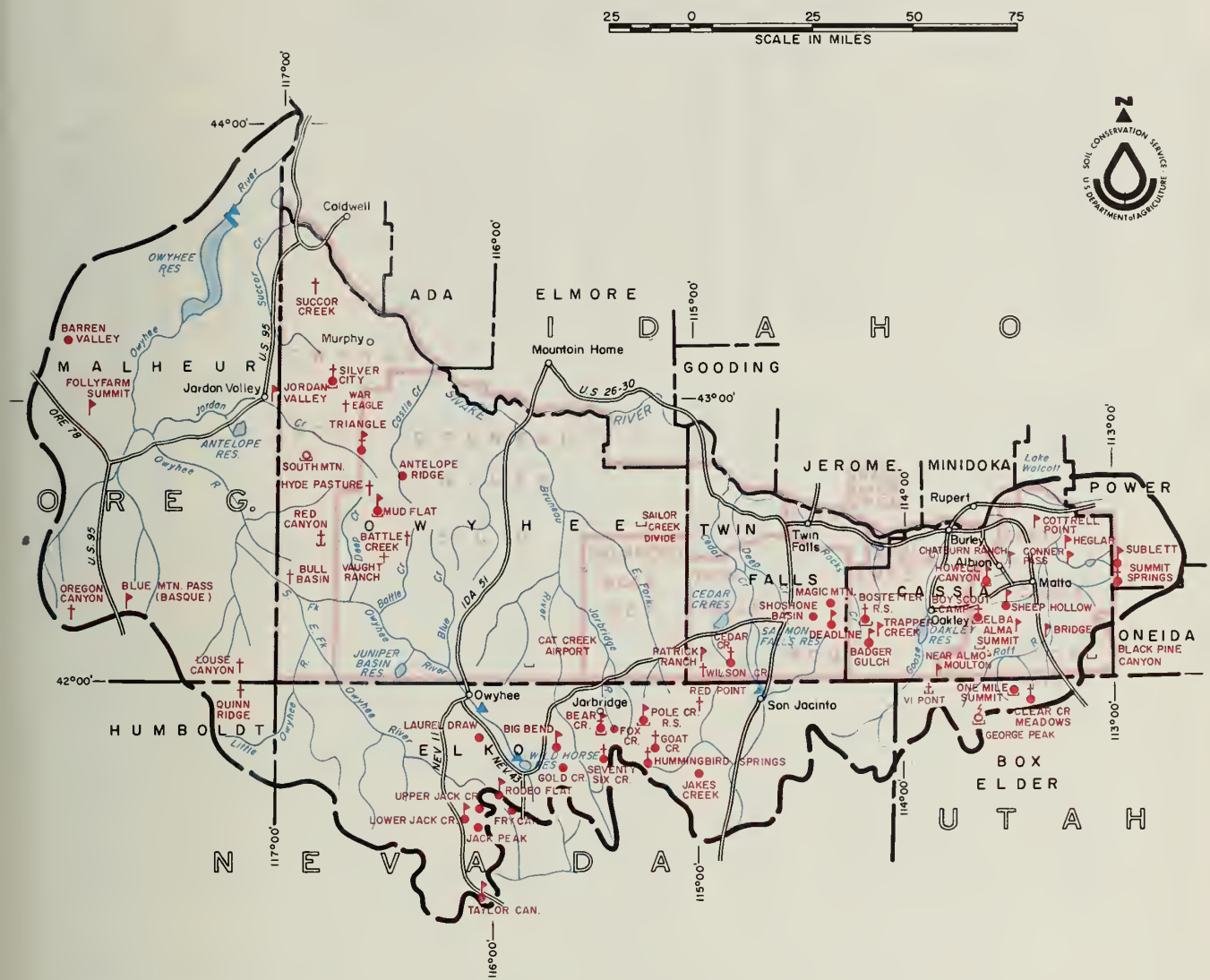
*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
WEISER RIVER						
Boulder Creek	5500	3/28	90	39.2	18.6	24.8
Placer Creek	6000	3/27	69	24.2	17.7	18.2
MANN CREEK						
Mann Creek	5980	4/1	88	39.3	23.0	--
Robinson Creek Ridge	6220	4/1	65	25.6	19.4	--
Sturgill Ridge	6680	4/1	115	47.1	27.6	--
Thorson Cabin	5320	4/1	50	19.1	13.3	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

MIDDLE SNAKE RIVER BASIN
SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

NO.	STATE	NAME	SEC.	TWP. OR AND	RGE.	ELEV.
			LAT.		LONG.	
13G15p	I	Black Pine Canyon	28	15S	29E	7100
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13G11m	I	Bridge	7	15S	27E	4750
13G13m	I	Chatburn Ranch	4	12S	25E	4700
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13G6m	I	Conner Pass	35	12S	25E	5700
13G7m	I	Cottrell Point	24	10S	25E	4490
13G10m	I	Elba-Almo Summit	29	14S	25E	5690
13H4sp	U	George Peak	4	13N	14W	9000
13G8m	I	Heglar	19	11S	28E	4590
13G1MP	I	Howell Canyon	2	13S	24E	8000
13G12m	I	Moulton	27	16S	23E	5950
13G14p	I	Near Almo	35	15S	24E	5200
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	6400

GOOSE - TRAPPER CREEK

14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
14G7m	I	Trapper Creek	2	15S	20E	5300
13H3ap	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

14G5A	I	Cedar Creek	25	15S	13E	000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14H1	N	Jakes Creek	6	42N	62E	7000
14G2	I	Magic Mountain	14	14S	18E	6700
15G1m	I	Patrick Ranch	23	15S	12E	5720
15H18a	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2a	I	Wilson Creek	24	16S	12E	7500

BRUNEAU RIVER

15H1MAP	N	Bear Creek	31	46N	58E	7800
15G3p	I	Cat Creek Airport	9	16S	6E	5700
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8945
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330
15G4p	I	Sailor Creek Divide	21	10S	10E	4350

OWYHEE RIVER

16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	17S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
17G2m	O	Blue Mountain Pass (Baaque)	4	38S	42E	5290
16G10a	I	Bull Basin	19	12S	5W	5600
18G3m	O	Folly Farm Summit	8	30S	38E	4450
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE¼ 31	8S	2W	5800
16H4	N	Jacks Peak	28	42N	53E	8420
17G3m	O	Jordan Valley	2	30S	46E	4390
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4MA	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Boy Scout Camp	7600	4/4	45	17.7	19.9	15.0
Clear Creek Mdws. Utah	9050	4/4	76	26.2	25.5	21.6*
George Peak (SP)	9000	4/1	--	35.2	--	--
Howell Canyon	8000	4/6	102	41.8	25.9	25.7
One Mile Summit Utah	7330	4/4	23	8.5	9.6	8.0*
Sheep Hollow	6200	4/4	12	5.1	11.2	4.8*
Sublett	6000	4/4	41	16.4	11.3	10.3
Summit Springs	6400	4/4	34	14.8	13.0	9.2
GOOSE CREEK						
Badger Gulch	6660	4/4	48	19.4	13.6	12.0
Bostetter Ranger Station	7500	4/4	73	28.4	21.0	19.5
Vi Pont (A)	7670	4/4	53	20.0	18.0	--
SALMON FALLS CREEK						
#Bear Creek Nev.	7800	3/27	57	20.9	22.8	21.0
Cedar Creek	7000	3/27	30	9.9	11.2	9.3
Deadline	6900	3/26	70	29.2	26.0	22.9
#Fox Creek Nev.	6800	3/27	23	8.0	11.7	9.4*
Goat Creek Nev.	8800	3/27	55	18.8	20.2	18.8
#Hummingbird Springs Nev.	8945	3/27	72	25.4	24.2	23.6
Magic Mountain	6700	3/26	59	25.5	21.4	18.7
#Pole Creek R. S. Nev.	8330	3/27	62	21.9	23.4	20.6
Red Point Nev.	7940	3/27	36	13.6	14.7	10.3*
Shoshone Basin	5740	3/26	13	5.7	6.7	3.7*
Wilson Creek	7500	3/27	30	9.9	14.3	12.1*
BRUNEAU RIVER						
Bear Creek Nev.	7800	3/27	57	20.9	22.8	21.0
Fox Creek Nev.	6800	3/27	23	8.0	11.7	10.0*
Hummingbird Springs Nev.	8945	3/27	72	25.4	24.2	23.6
Pole Creek R. S. Nev.	8330	3/27	62	21.9	23.4	20.6
#Seventy-six Creek Nev.	7100	3/27	35	12.9	12.1	11.6*
OWYHEE RIVER						
Antelope Ridge	5900	3/29	22	7.0	6.7	5.5*
Battle Creek (A)	5700	3/26	T	T	0.8	1.8
#Bear Creek Nev.	7800	3/27	57	20.9	22.8	21.0
Bull Basin (A)	5600	3/26	0	0.0	0.0	0.5*
#Fox Creek Nev.	6800	3/27	23	8.0	11.7	10.0*
Hyde Pasture (A)	5800	3/26	18	5.8	0.8	3.0

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average [b]
Mud Flat		5500	3/29	12	3.9	4.7	4.4
Red Canyon (A)		6650	3/28	21	6.7	6.8	4.6*
#Seventy-six Creek	Nev.	7100	3/27	35	12.9	12.1	11.6*
Silver City		6400	3/28	51	20.6	10.5	15.1
South Mountain		6340	3/28	39	17.6	9.4	11.8
Succor Creek (A)		6100	3/28	12	3.8	3.4	4.6*
Triangle (A)		5150	3/26	0	0.0	0.0	0.2*
Vaught Ranch (A)		5950	3/26	0	0.0	0.8	1.3*
War Eagle (A)		7700	3/26	60	24.0	25.1	22.2*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

UPPER SNAKE RIVER BASIN

INDEX to SNOW COURSES

UPPER SNAKE RIVER BASIN

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
SNAKE RIVER - WYOMING						
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530
HENRYS FORK RIVER						
11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E15	I	Old Road	12	13N	44E	7250
11E17	I	Poacher's Cabin	11	13N	45E	8000
11E32	I	Sawtelle Mountain	7	14N	43E	8715
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500
TETON RIVER						
10F21a	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8000
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6400
10F13M	Wy	Teton Pass	24	41N	118W	8500
CAMAS - BEAVER CREEK						
11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200
MEDICINE LODGE CREEK						
12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700
WILLOW CREEK						
11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F8	I	Bone	29	1S	40E	6200
11F4	I	Ozone	14	1N	39E	5800
11F9	I	Sheep Mountain I	33	2S	41E	6450
11F11	I	Sheep Mountain II	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700
SAND CREEK						
11F6	I	Henry Creek	7	1S	39E	5650
11F7	I	Taylor Mountain	19	1S	39E	6500
BLACKFOOT RIVER						
11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G2M	I	China Hat	17	7S	42E	6300
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000
PORTNEUF RIVER						
11G25	I	Cove	21	9S	39E	5525
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
11G24	I	Moser	20	8S	39E	5950
11G23	I	North Bancroft #1	15	8S	39E	5460
11G22	I	North Bancroft #2	27	7S	39E	5430
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average [b]
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Blue Ledge Mine	6700	3/30	64	23.3	14.7	17.2
Camp Creek	6800	3/28	34	10.9	8.7	10.4
Kilgore	6200	3/30	33	12.0	9.7	10.9
MEDICINE LODGE CREEK						
Webber Creek	6700	3/29	26	7.2	5.8	5.7*
HENRYS FORK RIVER						
Big Springs (New)	6500	3/28	80	30.0	17.4	21.3
Black Canyon	7850	3/26	131	50.7	30.6	34.0*
Black Canyon (New)	7850	3/26	134	52.9	31.4	--
Black Moose	8125	3/26	143	60.5	36.2	39.8*
Grassy Lake Wyo.	7230	3/27	119	48.8	29.8	35.0
Island Park (New)	6315	3/28	63	22.3	13.7	16.4
Latham Springs (New)	7650	3/26	128	50.9	31.4	32.6*
Lucky Dog (New)	6900	3/26	99	38.2	18.8	24.2*
Sawtelle Mountain	8715	3/28	134	48.0	29.3	--
Targhee Pass	7000	3/28	58	18.0	10.5	--
Valley View	6500	3/28	55	19.7	10.8	17.7
White Elephant	7700	3/28	118	42.2	21.0	--
TETON RIVER						
Darby Canyon Wyo.	8250	3/25	81	29.1	22.9	--
Freds Mountain Wyo.	8000	3/25	84	30.1	22.3	--
Garns Mountain	8300	3/25	107	43.8	40.4	--
Indian Meadows Wyo.	8200	3/25	120	48.8	33.3	--
Jackpine Creek Wyo.	7500	3/25	74	28.6	20.6	--
McRenold Reservoir	6800	3/25	64	23.9	18.9	--
Miles Creek Wyo.	7500	3/25	44	15.9	13.0	--
Phillips Bench Wyo.	8200	4/1	120	41.2	24.5	--
Pine Creek Pass	6750	3/25	62	22.8	16.4	17.7*
State Line	6400	3/25	52	17.0	13.1	8.7
Teton Pass W. S. Wyo.	8400	4/1	107	37.2	24.0	--
WILLOW CREEK						
Aspen Grove	6600	4/3	40	14.2	12.5	11.3*
Birch Creek	6800	4/3	45	16.6	10.4	13.9*
Blue Ridge	6775	4/3	54	20.4	--	--
Bone	6200	4/3	23	7.9	8.2	6.8*
Brockman Station	6500	4/3	28	10.0	--	--
Hell Creek	7100	4/3	48	17.4	--	--
Ozone	5800	4/3	0	0.0	3.4	0.3*

*(b) 1958–72, 15 year period. #Nat located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation ‖ater content estimated. (SP) Pressure Pillow snau-water equivalent. (R) Radiaactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Sheep Mountain	6510	4/3	43	15.9	14.5	13.3*
Tex Creek	6550	4/3	30	9.1	9.9	9.2*
SAND CREEK						
Henry Creek	5650	4/3	0	0.0	5.0	0.9*
BLACKFOOT RIVER						
Austin Bros. Ranch	6450	3/29	22	8.9	9.8	8.8
Slug Creek Divide	7225	3/27	42	15.0	16.5	16.7
Somsen Ranch	7000	3/29	51	17.4	14.4	13.5
PORTNEUF RIVER						
Dempsey Creek	6280	3/26	33	13.0	12.8	12.4
Lower Pebble	5800	3/26	36	14.0	11.5	12.8*
Mink Creek	6300	3/26	48	20.4	17.0	15.6
Pebble Creek	6550	3/26	40	17.6	15.0	15.2

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

GREAT BASIN

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

SOIL CONSERVATION SERVICE
U.S. DEPARTMENT of AGRICULTURE

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.

GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

MONTPELIER CREEK

11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G4	I	Dry Creek Flat	31	13S	37E	6350
12G11	I	Lower Elkhorn	30	12S	36E	6850
12G3	I	Oxford Mountain	32	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	3/25	72	29.4	22.5	25.4
Emigration Canyon	6500	3/25	25	9.2	10.6	10.7
Montpelier Creek						
Giveout	6840	3/27	39	12.1	11.5	12.5*
Little Beaver	6970	3/27	43	14.7	13.0	16.1*
Lower Home Canyon	7500	3/27	44	14.6	11.4	--
Montpelier Creek	6570	3/27	22	6.8	7.5	8.4*
Upper Home Canyon	8500	3/27	67	24.5	19.4	--
Whiskey Flat	6985	3/27	26	8.1	8.5	9.3*
Mink Creek						
Christensen Ranch	5600	3/25	21	8.5	10.6	7.1
Dry Basin	7900	3/27	83	32.9	27.4	--
#Emigrant Summit	7350	3/25	72	29.4	22.5	25.4
Horseshoe Basin	8000	3/27	70	28.2	24.9	--
Liberty Spring	8600	3/27	116	46.7	32.6	36.8*
Strawberry Creek	5800	3/25	32	12.6	13.9	10.0
Strawberry Mink Divide	6800	3/25	59	24.9	24.2	21.5
Cub River						
Cub River R. S.	5400	3/27	22	9.5	9.0	6.1
#Franklin Basin	8000	4/1	84	33.9	21.2	28.6
Willow Flat	6100	3/27	42	17.0	15.0	13.3
MALAD RIVER						
Cliff Canyon	7200	3/26	26	9.8	10.6	--
Daniels Creek	6400	3/26	12	4.5	9.4	--
Dry Creek Flat	6350	3/26	12	5.9	13.9	3.3
Lower Elkhorn	6850	3/26	28	12.1	14.6	13.1*
Oxford Mountain	6800	3/26	20	8.0	12.2	8.2
Upper Elkhorn	7100	3/26	50	18.6	19.8	18.7*

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation ‖ Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	3/14	10.2[m]	10.8	10.0
Lookout	5250	48	11.0	3/27	8.6	7.6	8.6
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	4/4	4.2	4.1	4.2
Lemhi River							
Meadow Lake	9100	48	4.4	4/4	2.6	2.1	2.4
LITTLE LOST RIVER							
Fairview Guard Station	5850	48	10.1	3/26	8.5	--	8.5
Wet Creek Summit	8175	48	17.1	3/27	13.2	12.4	13.5
BIG WOOD RIVER							
Galena Summit	8795	48	5.8	3/15	Frozen	Frozen	1.8
BOISE RIVER							
Bogus Basin Road	4830	48	7.1	4/1	5.6	5.7[m]	--
RAFT RIVER							
Howell Canyon	8000	48	11.5	2/28	9.1[m]	8.8	7.6
Sheep Hollow	6200	36	7.5	2/28	6.8[m]	--	6.4
Sublett	6000	36	7.0	2/26	6.4[m]	5.1	6.8
GOOSE CREEK							
Badger Gulch	6660	36	7.0	2/26	5.1[m]	6.1	6.5[m]
SALMON FALLS CREEK							
Deadline	6900	36	7.4	3/26	7.1	7.1	--
Patrick Ranch	5720	36	7.7	2/23	5.1[m]	6.9	7.0[m]
Pole Creek R. S.	8330	48	9.7	3/27	8.1	7.8	8.0[m]
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	3/27	13.4	10.4	11.0[m]
HENRYS FORK RIVER							
Island Park	6315	48	9.9	3/28	10.9	8.5	9.1
Valley View	6500	48	13.3	3/28	11.4	6.2	9.6

m March Measurement

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
PORTNEUF RIVER							
Lower Pebble	5800	36	7.6	3/26	8.3	8.5	7.6[m]
Pebble Creek	6550	48	7.2	3/26	6.2	6.6	5.6[m]
BEAR RIVER							
Emigrant Summit	7350	36	9.2	3/25	7.5	6.4	7.4
Strawberry Creek	5800	48	12.7	3/25	12.1	8.2	12.2
Montpelier Creek							
Giveout Pass	7025	36	9.4	3/27	8.1	--	--
Jenson Ranch	6580	48	18.7	3/27	16.0	Frozen	11.5

m March Measurement.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
MAY 1, 1974

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA SCS PORTLAND, OREG. 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

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STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Snow Survey Supervisor
and
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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR MAY 1, 1974

The outlook for water supply is good to excellent throughout Idaho. Seasonal streamflow forecasts vary from 113% of normal for the Bruneau and Little Lost Rivers to 187% of average for Magic Reservoir Inflow. Irrigation reservoirs are expected to fill by the start of the major irrigation season.

Soil moisture is good to excellent except for lower elevations which have lost moisture to wind and warm temperatures during the last two weeks of April. Valley precipitation during April was below normal throughout the state, except in the Spokane-Pend Oreille division, thus contributing to the loss of low elevation soil moisture.

The winter season of 1973-74 has been another heavy snow year throughout the state. As of April 1, 1974, thirty snow courses had new record snow-water equivalents. Snowfall during April was generally below normal; however, fifteen snow courses in Northern and South Central Idaho still had a record snowpack as of May 1.

Relatively warm temperatures during the last two weeks of April melted the low elevation snow and started the melting process at middle elevations. Resulting runoff has caused minor flooding on the Coeur d'Alene drainage in Northern Idaho and the Sand Creek watershed in Eastern Idaho. Several other drainages in the state were at near flood stage.

Snowmelt at high elevations has been retarded by cool nighttime temperatures, however, the first week of May has reversed this trend and the higher snow courses are now beginning to produce runoff. Flood warnings have been issued for the Big Wood River, Henrys Fork and Middle Fork of the Salmon River and continued vigilance should be exercised on all watersheds experiencing high runoff.

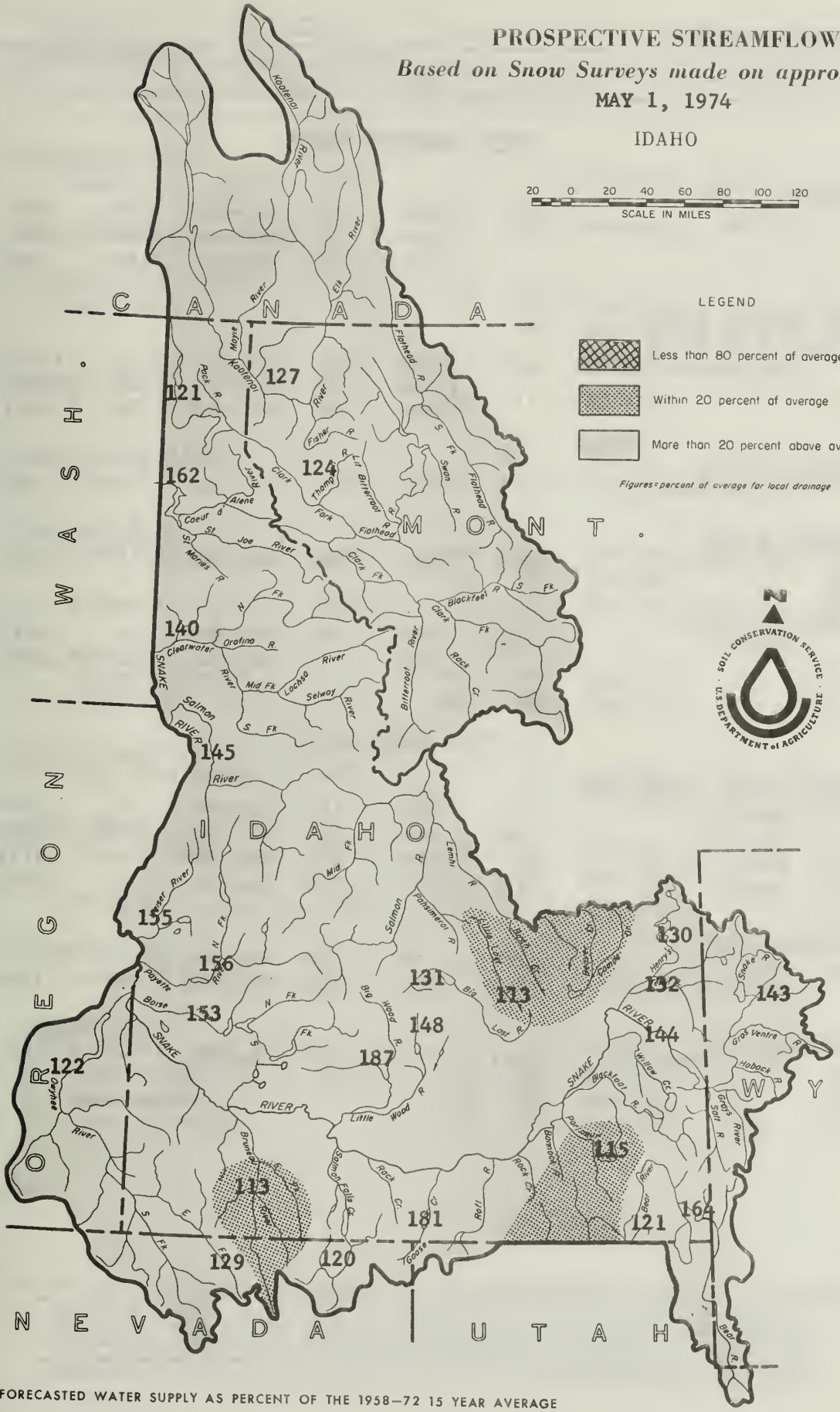
The heavy snowpack at high elevations poses a definite hazard for damagin high water. The weather for the next few weeks will be the critical factor in determining the magnitude of the problem. Continued warm temperatures and spring rains would greatly increase the hazard.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MAY 1, 1974

IDAHO



FORECASTED WATER SUPPLY AS PERCENT OF THE 1958—72 15 YEAR AVERAGE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [+]
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	10500	127	May-Sep	5484	8262
		9200	129	May-Jul	4663	7146
		7100	126	May-Jun	3768	5620
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	15600	124	May-Sep	--	12533
		14280	127	May-Jul	--	11283
		11800	124	May-Jun	--	9523
Priest River						
Priest River 1/	(nr)	830	121	May-Jul	--	686
SPOKANE RIVER						
Post Falls 2/	(at)	3250	162	May-Sep	--	2010
St. Joe River						
Calder	(at)	1660	158	May-Sep	--	1047
		1550	158	May-Jul	--	978
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	1230	143	Apr-Sep	--	858
Heise 4/	(nr)	5150	144	May-Sep	2738	3577
Blackfoot 5/	(nr)	5425	143	May-Jul	--	3793
Weiser	(at)	7000	138	May-Sep	--	5076
Henrys Fork						
Ashton 6/	(nr)	740	130	May-Sep	--	569
Rexburg 7/	(nr)	1600	131	May-Sep	--	1224
Teton River						
St. Anthony	(nr)	525	132	May-Sep	--	398

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
Portneuf River						
Topaz	(at)	75	115	May-Sep	--	65
Oakley Reservoir Inflow		33	181	May-Sep	--	18.3
Salmon Falls Creek						
San Jacinto	(nr)	65	120	May-Sep	--	54
		60	120	May-Jul	--	50
Bruneau River						
Hot Springs	(nr)	185	113	May-Sep	--	163
Little Lost River						
Howe	(nr)	40	113	May-Sep	--	35.4
Big Lost River						
Howell Ranch	(at)	260	131	May-Sep	--	198
		180	132	May-Jun	--	136
Mackay 1/	(nr)	220	131	May-Sep	--	168
Big Wood River						
Magic Reservoir		390	187	May-Sep	--	209
Inflow 2/		365	188	May-Jul	--	194
Little Wood River						
High Five Creek	(ab)	105	148	May-Sep	--	71
Boise River						
Twin Springs	(nr)	920	154	May-Sep	--	597
		840	155	May-Jul	--	542
Boise 3/	(nr)	1950	153	May-Sep	--	1276
South Fork						
Anderson Dam 4/	(at)	790	154	May-Sep	--	513
Owyhee River						
Gold Cr., Nev. 5/	(nr)	15	188	May-Jul	--	8
Owyhee, Nev. 5/	(nr)	53	129	May-Jul	--	41
Lake Owyhee		220	122	May-Sep	145	180
net inflow 6/		195	124	May-Jul	118	157

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

† 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	2400	156	May-Sep	--	1536
Banks 2/	(nr)	1300	157	May-Jul	--	830
North Fork						
Cascade 3/	(at)	740	157	May-Sep	--	470
Banks 3/	(nr)	945	160	May-Sep	--	589
Weiser River						
Weiser ab. Crane Creek 4/		425	155	May-Sep	--	274
Salmon River						
Whitebird	(at)	9150	145	May-Sep	--	6311
Clearwater River						
Spalding	(at)	9500	140	May-Sep	--	6797
GREAT BASIN						
BEAR RIVER						
Harer	(at)	350	164	May-Sep	--	214
Montpelier Creek						
Montpelier	(nr)	7.5	74	May-Sep	--	10.2
Cub River						
Preston	(nr)	56	121	May-Sep	--	46.1

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Spring April 1974		Fall - Winter Nov. 73 - Apr. 74	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U.S.	2.24	+0.63	23.48	+ 7.75
Flathead	1.92	+0.21	18.12	+ 5.28
Clark Fork	0.58	-0.48	7.62	+ 1.61
Pend Oreille-Spokane	2.67	+0.37	34.85	+13.80
Upper Snake	1.16	-0.63	15.17	+ 3.27
Snake River Plain	0.73	-0.23	7.31	+ 1.44
Salmon-Payette-Boise	1.16	-0.31	20.53	+ 7.02
Clearwater	2.97	-0.20	23.88	+ 5.07
Owyhee-Malheur	0.65	-0.11	7.53	+ 1.14

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-72) drainage division average.

RESERVOIR STORAGE (1,000 Ac. Ft.)

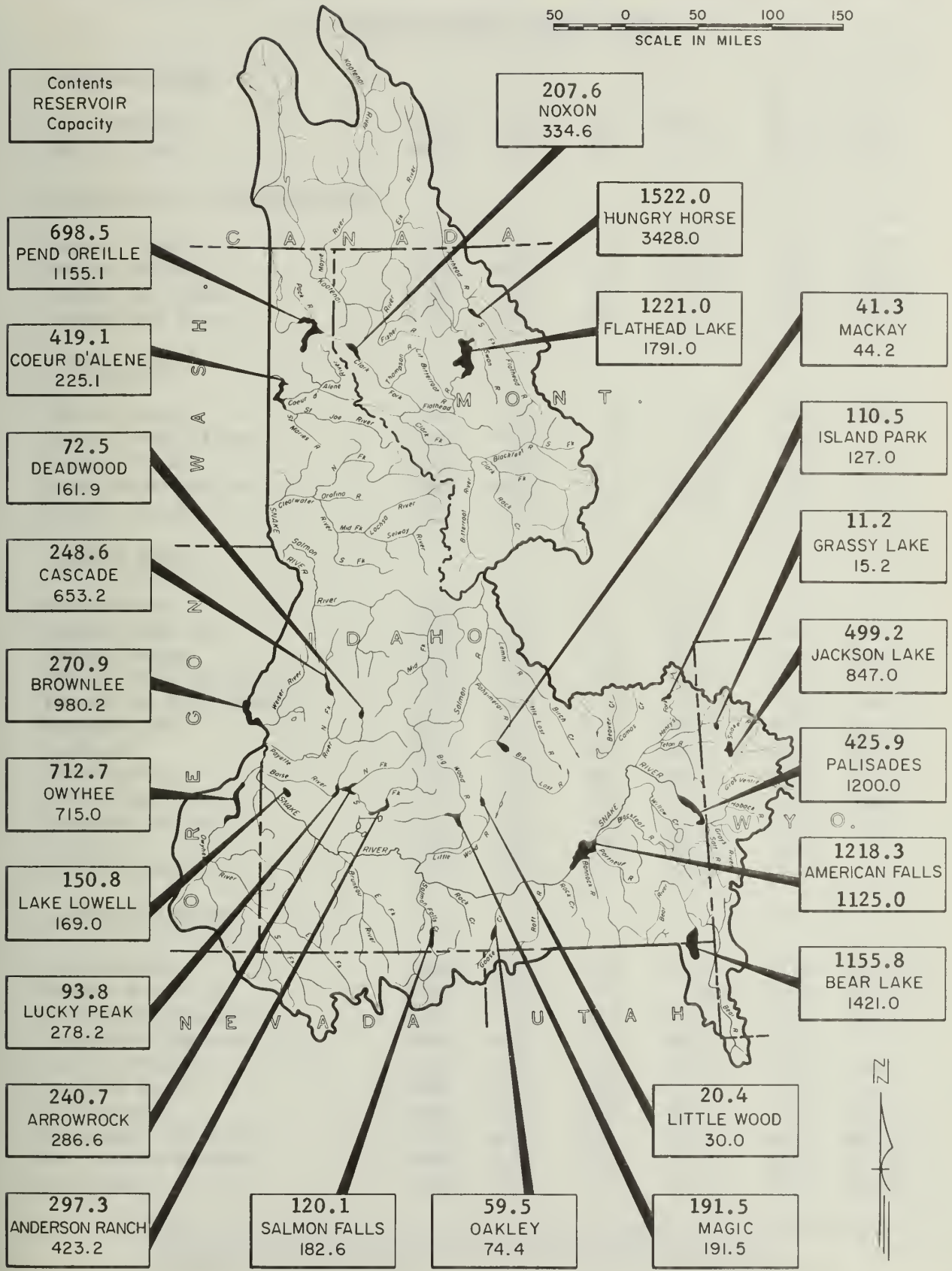
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1522.0	2054.0	2006.0
Flathead	1791.0	1221.0	674.1	977.9
Pend Oreille	1155.1	698.5	411.0	534.3
Noxon	334.6	207.6	57.9	138.4
Spokane				
Coeur d'Alene	225.1	419.1	116.1	253.1
SNAKE BASIN				
Snake				
Jackson Lake	847.0	499.2	647.4	501.7
Palisades	1200.0	425.9	975.8	774.4
American Falls	1125.0	1218.3	1127.1	1089.7
Island Park	127.0	110.5	133.1	132.1
Grassy Lake	15.2	11.2	10.8	10.9
Brownlee	980.2	270.9	830.6	432.9*
Goose-Trapper Creeks				
Oakley	74.4	59.5	57.6	27.3
Salmon Falls Creek				
Salmon Falls	182.6	120.1	133.5	59.4
Big Lost				
Mackay	44.2	41.3	40.5	31.7
Big Wood				
Magic	191.5	191.5	191.5	170.2
Little Wood				
Little Wood	30.0	20.4	29.0	24.6
Fish Creek				
Carey Valley	14.4	13.0	11.2	--
Boise				
Anderson Ranch	423.2	297.3	314.4	282.0
Arrowrock	286.6	240.7	282.7	231.4
Lucky Peak	278.2	93.8	245.9	142.5
Lake Lowell (Deer Flat)	169.0	150.8	159.7	155.4
Owyhee				
Owyhee	715.0	712.7	714.0	563.7
Payette				
Cascade	653.2	248.6	395.4	353.8
Deadwood	161.9	72.5	96.3	92.4
Weiser				
Mann Creek	11.1	10.3	11.3	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1155.8	1126.6	1040.0

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1974



SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	4/26	234	118.0	43.3	68.8
Smith Creek	4800	4/25	154	75.6	33.4	47.9
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	4/30	0	0.0	0.0	0.0
Benton Spring	4900	4/30	58	27.0	9.4	15.7
Schweitzer Bowl	4500	4/30	87	42.2	12.7	26.6*
Schweitzer Ridge	6100	4/30	152	70.5	36.7	50.6*
HAYDEN LAKE						
Chilco Ridge	3650	4/29	9	3.9	0.0	--
Conie Creek Ridge	3900	4/29	T	T	0.0	--
Corner Creek	3200	4/29	0	0.0	0.0	--
Sage Creek Saddle	4100	4/29	61	25.8	0.0	--
Ulrich Creek	2800	4/29	0	0.0	0.0	--
SPOKANE RIVER						
Above Burke	4100	5/1	64	28.8	3.0	--
Above Burke (SP)	4100	5/1	--	24.6	--	--
Copper Ridge	4800	4/30	83	37.5	0.0	27.3
#Forty-nine Meadows	5000	4/30	85	34.5	10.0	30.3*
Fourth of July Summit	3100	4/30	0	0.0	0.0	--
Granite Peak	6000	4/30	151	60.4	30.9	48.3*
Lookout	5250	5/1	110	48.0	16.8	37.7
#Lost Lake	6000	4/30	245	104.0	35.6	62.0*
Lower Sands Creek	3400	4/30	65	27.1	0.0	16.0
Medicine Ridge	6150	4/30	149	59.8	31.2	51.5*
Sherwin	3200	4/30	33	13.0	0.0	--
Sherwin (SP)	3200	4/30	--	16.4	--	--
CLEARWATER RIVER						
Buck Meadows	5600	5/2	86	34.6	16.2	32.7*
Cayuse Airstrip	3700	4/29	3	1.2	0.0	0.2*
Coolwater Mountain	6200	4/29	115	42.1	24.4	34.5*
Coolwater Mountain (SP)	6200	4/29	--	40.8	15.2	--
Crater Meadows	6100	4/29	139	56.6	32.0	50.2*
Crooked Fork	3600	4/25	20	7.6	0.0	--
Elk Butte	5550	4/30	127	49.4	16.3	36.1*
Fish Lake Airstrip	5000	4/29	126	49.8	24.4	43.2*
Forty-nine Meadows	5000	4/30	85	34.5	10.0	30.3*
Goat Lake	6600	4/29	151	61.8	36.9	54.7*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
#Granite Peak	6000	4/30	151	60.4	30.9	48.3*
Hemlock Butte	5500	4/29	166	64.8	35.8	54.4*
#Hoodoo Basin Mont.	6000	5/3	153	75.2	34.8	55.2
#Hoodoo Creek Mont.	5900	5/3	148	72.2	31.6	52.2
Lolo Pass	5250	4/25	84	40.5	13.5	32.3
Lost Lake	6000	4/30	245	104.0	35.6	62.0*
#Medicine Ridge	6150	4/30	149	59.8	31.2	51.5*
#Nez Perce Pass Mont.	6575	4/29	54	23.0	10.7	15.6
Orogrande Mountain	7800	4/29	135	48.2	30.1	47.5*
Orogrande Mountain (SP)	7800	4/29	--	60.5	--	--
Pierce Ranger Station	3170	4/30	0	0.0	0.0	1.3
Powell Ranger Station	3410	4/25	10	3.2	0.0	0.0
Savage Pass	6160	4/25	78	35.1	17.2	29.2*
Savage Pass (New)	6160	4/25	84	35.8	17.4	--
Shanghai Summit	4600	4/29	90	35.9	12.0	24.0*
SALMON RIVER						
Big Creek Summit	6600	4/30	121	58.6	26.2	37.0
#Boulder Creek	5500	4/29	66	31.6	8.2	15.7*
Brundage Mountain	7560	4/26	148	65.8	38.5	51.9*
#Deadwood Summit	7000	4/29	161	71.5	33.5	48.2*
#Galena Summit	8795	4/29	94	42.0	18.1	26.0
#Gibbons Pass Mont.	7100	5/1	70	31.9	20.2	24.2
Mill Creek Summit	8870	4/30	84	37.4	16.4	25.6*
Moose Creek	6200	4/29	49	20.0	11.8	16.0*
Morgan Creek	7580	4/30	39	16.8	9.6	13.1*
#Rock Flat Summit	5200	4/26	59	25.2	10.2	16.5*
#Secesh Summit	6600	4/26	128	60.3	28.5	--
#Squaw Meadow	5800	4/26	119	56.8	28.0	36.5*
Twin Peaks (A)	10300	4/30	84	37.4	--	--
Vienna Mine	8900	4/26	125	60.8	27.7	38.0*
Lemhi River						
Above Gilmore	8200	4/30	36	13.9	8.0	--
Aspen-Hall Pass (A)	8110	4/30	10	3.9	--	--
Copes Camp (A)	7500	4/30	0	0.0	--	--
Hall Creek (A)	7560	4/30	T	T	--	--
Meadow Lake	9100	4/30	75	32.5	16.6	--
Schwartz Lake (A)	8500	4/30	45	17.4	--	--

*(b) 1958-72, 15 year period. #Nat located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
BIG LOST RIVER						
Bear Canyon	7920	4/26	66	26.4	10.1	--
Copper Basin	7650	4/26	26	10.4	0.0	--
Lost-Wood Divide	7900	4/26	90	39.5	--	--
Stickney Mill	7500	4/26	T	T	3.2	--
White Knob	7700	5/1	28	10.1	--	--
LITTLE WOOD RIVER						
#Bear Canyon	7920	4/26	66	26.4	10.1	--
Garfield Rgr. Sta.	6554	4/30	0	0.0	T	--
Muldoon	6300	4/30	0	0.0	0.0	--
Swede Peak	7650	4/30	42	17.3	13.0	15.0*
BIG WOOD RIVER						
Dollarhide Summit	8620	4/26	86	36.0	--	--
Galena	7300	4/29	59	26.8	8.8	15.5
Galena Summit	8795	4/29	94	42.0	18.1	26.0
Graham Ranch	6200	4/29	17	6.7	3.2	7.0*
#Lost-Wood Divide	7900	4/26	90	39.5	--	--
Mascot Mine	7900	4/26	46	18.8	8.8	--
Mount Baldy	9000	4/30	77	31.4	16.4	22.7
Soldier Rgr. Sta.	6100	4/30	0	0.0	0.0	--
#Vienna Mine	8900	4/26	125	60.8	27.7	38.0*
BOISE RIVER						
Atlanta Summit	7500	5/3	112	49.6	28.9	36.1
Bad Bear	5500	4/29	22	8.9	0.0	5.0*
#Bogus Basin	6120	5/3	50	25.5	13.3	23.2
Bogus Basin Road	5360	5/1	0	0.0	0.0	0.0
#Dollarhide Summit	8620	4/26	86	36.0	--	--
Jackson Peak	7000	4/29	107	49.2	25.4	31.8*
Moores Creek Summit	6100	4/29	100	45.0	22.2	30.6
#Soldier Rgr. Sta.	6100	4/30	0	0.0	0.0	--
Trinity Mountain	7780	5/3	126	63.6	33.6	44.2*
#Vienna Mine	8900	4/26	125	60.8	27.7	38.0*
PAYETTE RIVER						
#Big Creek Summit	6600	4/30	121	58.6	26.2	37.0
Bogus Basin	6120	5/3	50	25.5	13.3	23.2
#Brundage Mountain	7560	4/26	148	65.8	38.5	51.9*
Cozy Cove	5900	4/29	34	12.8	4.4	9.8
Crawford Rgr. Sta.	4800	4/30	0	0.0	0.0	0.0

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
Deadwood Airstrip	5440	4/29	20	8.9	T	--
Deadwood Dam	5290	4/29	29	11.4	2.6	10.9
Deadwood Summit	7000	4/29	161	71.5	33.5	48.2*
#Jackson Peak	7000	4/29	107	49.2	25.4	31.8*
Lake Fork	6000	4/28	50	20.4	6.2	--
Rock Flat Summit	5200	4/26	59	25.2	10.2	16.5
Secesh Summit	6600	4/26	128	60.3	28.5	--
Squaw Meadow	5800	4/26	119	56.8	28.0	36.5*
WEISER RIVER						
Boulder Creek	5500	4/29	66	31.6	8.2	15.7*

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]

MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER

Howell Canyon	8000	5/2	63	33.5	25.2	23.6*

SALMON FALLS CREEK

#Bear Creek (A) Nev.	7800	4/29	46	18.8	27.8	20.0*
Cedar Creek (A)	7000	4/29	0	0.0	5.4	3.1
Deadline	6900	4/25	52	26.4	23.0	19.5
Goat Creek (A) Nev.	8800	4/29	45	18.4	21.2	20.7*
#Hummingbird Spgs.(A) Nev.	8945	4/29	66	26.9	27.8	25.8*
Magic Mountain	6700	4/25	49	24.7	18.6	15.9
#Pole Creek R. S. Nev.	8330	4/25	64	26.1	24.0	22.7
Red Point (A) Nev.	7940	4/29	0	0.0	8.4	--
Wilson Creek (A)	7500	4/29	0	0.0	9.1	--

BRUNEAU RIVER

Bear Creek (A) Nev.	7800	4/29	46	18.8	27.8	20.0*
Hummingbird Spgs. (A) Nev.	8945	4/29	66	26.9	27.8	25.8*
Pole Creek Rgr. Sta. Nev.	8330	4/25	64	26.1	24.0	22.7
#Seventy-six Creek Nev.	7100	4/29	T	T	--	--

OWYHEE RIVER

#Bear Creek (A) Nev.	7800	4/29	46	18.8	27.8	20.0*
Silver City	6400	4/27	33	15.1	4.7	8.9*
South Mountain	6340	5/2	17	8.9	2.8	6.8*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
UPPER SNAKE RIVER BASIN							
HENRYS FORK RIVER							
Big Springs		6500	4/29	53	23.3	14.5	17.1*
Black Canyon		7850	4/25	121	52.0	34.3	--
Black Canyon (New)		7850	4/25	116	53.6	33.8	--
Black Moose		8125	4/25	133	59.8	38.2	--
Grassy Lake	Wyo.	7230	4/30	99	49.2	31.0	34.3*
Island Park		6315	4/29	38	15.8	9.0	10.2*
Latham Springs		7650	4/25	110	52.0	33.8	--
Lucky Dog		6900	4/25	77	35.4	23.6	--
Sawtelle Mountain		8715	4/29	116	49.9	33.5	38.1*
Targhee Pass		7000	4/29	44	15.9	9.6	15.4*
Valley View		6500	4/29	30	11.8	8.0	14.2*
White Elephant		7700	4/29	93	39.5	24.6	--
TETON RIVER							
Darby Canyon	Wyo.	8250	4/29	76	30.9	23.1	--
Freds Mountain	Wyo.	8000	4/29	76	30.7	22.7	--
Garns Mountain		8300	4/29	111	49.1	37.3	--
Indian Meadows	Wyo.	8200	4/29	114	51.8	34.3	--
Jackpine Creek	Wyo.	7500	4/29	64	28.5	22.1	--
McRenold Reservoir		6800	4/29	45	19.9	18.6	--
Miles Creek	Wyo.	7500	4/29	27	10.9	12.0	--
Phillips Bench	Wyo.	8200	4/30	99	43.1	23.8	--
Pine Creek Pass		6750	4/29	46	20.1	15.6	12.5*
State Line		6400	4/29	31	13.0	12.2	8.7
Teton Pass W.S.	Wyo.	8400	4/30	85	38.3	27.1	--
WILLOW - SAND CREEKS							
Aspen Grove		6600	5/5	0	0.0	--	--
Birch Creek		6800	5/5	0	0.0	--	--
Blue Ridge		6775	5/5	7	3.3	--	--
Bone		6200	5/5	0	0.0	--	--
Brockman Station		6500	5/5	0	0.0	--	--
Hell Creek		7100	5/5	6	2.5	--	--
Henry Creek		5650	5/5	0	0.0	--	--
Ozone		5800	5/5	0	0.0	--	--
Mud Creek		7150	5/5	16	7.2	--	--
Sheep Mountain		6510	5/5	0	0.0	--	--
Tex Creek		6550	5/5	0	0.0	--	--
BLACKFOOT RIVER							
Slug Creek Divide		7225	4/29	28	12.2	14.8	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average [b]
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	4/29	64	29.0	23.8	23.6*
Montpelier Creek						
Giveout	6840	4/29	0	0.0	10.8	6.7*
Little Beaver	6970	4/29	0	0.0	12.8	11.6*
Lower Home Canyon	7500	4/29	22	8.8	11.0	--
Montpelier Creek	6570	4/29	0	0.0	3.7	--
Upper Home Canyon	8500	4/29	59	23.2	21.5	--
Whiskey Flat	6985	4/29	0	0.0	6.9	3.2*
Mink Creek						
#Emigrant Summit	7350	4/29	64	29.0	23.8	23.6*
Cub River						
Cub River R. S.	5400	4/30	0	0.0	0.0	1.0
Willow Flat	6100	4/30	20	8.2	5.6	3.7*

*(b) 1958-72, 15 year period. #Not located directly on this droinage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	5/1	10.0	10.2	10.0
Lookout	5250	48	11.0	5/1	8.6	8.4	8.5
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	4/30	6.6	3.4	3.8
Lemhi River							
Above Gilmore	8200	60	5.4	4/30	4.3	2.6	4.2
Meadow Lake	9100	48	4.4	4/30	2.7	2.1	2.5
RAFT RIVER							
Howell Canyon	8000	48	11.5	5/2	11.9	9.3	8.0
BEAR RIVER							
Emigrant Summit	7350	36	8.4	4/29	7.7	6.6	7.7
Montpelier Creek							
Giveout Pass	7025	36	9.4	4/29	7.9	4.3	7.5
Jenson Ranch	6580	48	18.7	4/29	15.4	13.1	16.1
HENRYS FORK RIVER							
Island Park	6315	48	9.9	4/29	10.7	9.5	9.6
Valley View	6500	48	13.3	4/29	12.4	7.6	11.7

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
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WATER SUPPLY OUTLOOK FOR IDAHO

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Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JUNE 1, 1974

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

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WATER SUPPLY OUTLOOK for IDAHO

JUNE 1, 1974

SNOW SURVEYS, SUPPLEMENTAL MEASUREMENTS AND CORRECTIONS

* *
* The outlook for water supply is good to excellent throughout *
* Idaho with seasonal streamflow forecasts above normal on all *
* major streams. *
* *
* Reservoir storage for irrigation is good to excellent. Many *
* reservoirs were drawn down in anticipation of well above *
* normal runoff and are now being refilled. All reservoirs are *
* expected to be full or at record level for the start of the *
* major irrigation season. *
* *

The winter of 1973-74 was a very heavy snow year throughout Idaho. A record snow pack was recorded on many snow courses near April 1, which is usually the date of maximum accumulation. Near June 1, several key high elevation snow courses still reported record snow-water equivalent.

Almost ideal weather conditions for gradual snowmelt have been experienced during May and the first week of June. Cold nights, warm days and minimal spring rains combined to melt the snow gradually from low to higher elevations leaving only very high elevation snow yet to melt.

The potential for high volume, rapid runoff has existed most of the winter, however, though streamflow has been very high during the past two months, damage from flooding has been minimal.

This report carries supplemental and corrected measurements made earlier in the season.

SNOW

JUNE 1, 1974 MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
Atlanta Summit	7500	6/8	60	30.9	7.3	--
Bear Canyon	7920	5/29	T	T	--	--
Benton Spring	4900	6/4	15	7.3	--	--
Big Creek Summit	6600	5/29	89	47.4	7.3	--
Boulder Creek	5500	5/30	0	0.0	--	--
Brundage Mountain	7560	5/31	117	62.0	15.5	--
Crawford Ranger Station	4800	5/29	0	0.0	--	--
Darby Canyon	8250	5/28	40	19.2	0.0	--
Deadwood Summit	7000	5/29	121	64.7	12.4	--
Freds Mountain	8000	5/28	45	21.3	0.0	--
Galena	7300	5/30	7	3.4	--	--
Galena Summit	8795	5/30	63	32.0	T	--
Garns Mountain	8300	5/28	61	30.8	12.5	--
Granite Peak	6000	6/4	105	45.0	10.1	--
Indian Meadows	8200	5/28	84	42.7	14.4	--
Jackpine	7500	5/28	28	14.3	0.0	--
Jackson Peak	7000	5/29	53	26.8	0.0	--
Lake Fork	6000	5/28	7	3.0	--	--
Lookout	5250	5/31	72	34.2	0.0	--
Lost Lake	6000	6/4	194	83.6	13.1	--
Mascot Mine	7900	5/29	T	T	--	--
McRenold Reservoir	6800	5/28	0	0.0	0.0	--
Medicine Ridge	6150	5/28	118	52.6	10.6	--
Miles Creek	7500	5/28	0	0.0	0.0	--
Moores Creek Summit	6100	5/29	49	24.6	0.0	8.1
Pine Creek Pass	6750	5/28	0	0.0	0.0	--
Schweitzer Bowl	4500	5/31	43	21.3	0.0	--
Schweitzer Ridge	6100	5/31	120	58.8	19.2	--
Secesh Summit	6600	5/28	89	46.9	3.4	--
Silver City	6400	5/28	0	0.0	--	--
Squaw Meadow	5800	5/28	73	37.5	0.0	--
State Line	6400	5/28	0	0.0	0.0	--
Swede Peak	7650	5/29	0	0.0	--	--
Trinity Mountain (A)	7780	5/29	85	47.3	8.8	--
Trinity Mountain	7780	6/8	70	39.6	8.8	--
Vienna Mine	8900	5/28	89	46.2	12.8	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation ‖ater content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average (b)

SUPPLEMENTAL MEASUREMENTS

NOVEMBER 1, 1973						
Pierce Ranger Station	3170	11/1	9	0.8	--	--
NOVEMBER 15, 1973						
Pierce Ranger Station	3170	11/15	4	0.8	--	--
DECEMBER 1, 1973						
Above Burke	4100	11/30	24	5.4	--	--
Atlanta Summit (A)	7500	12/4	51	12.9	--	--
Bad Bear	5500	11/29	20	4.1	--	--
Bogus Basin	6120	11/30	31	7.8	--	--
Buck Meadows (A)	5600	12/5	45	12.6	--	--
Lookout	5250	11/30	54	11.2	--	--
Moores Creek Summit	6100	11/29	49	11.2	--	--
Mount Baldy	9000	12/4	35	9.6	--	--
Mountain Meadows (A)	6300	12/5	28	7.0	--	--
Pierce Ranger Station	3170	11/30	22	4.2	--	--
Trinity Mountain (A)	7780	12/4	67	18.9	--	--
Willow Flat	6100	11/30	15	2.9	2.1	--
DECEMBER 15, 1973						
Pierce Ranger Station	3170	12/14	21	4.2	1.0	--
JANUARY 15, 1974						
Bogus Basin	6120	1/17	52	17.5	--	--
Bogus Basin Road	5360	1/17	14	5.5	--	--
Mount Baldy	9000	1/14	61	16.4	7.4	--
Pierce Ranger Station	3170	1/16	28	8.3	2.0	--
FEBRUARY 1, 1974						
Lake Fork	6000	2/8	58	17.8	8.9	--
FEBRUARY 15, 1974						
Blue Ridge	6775	2/14	49	17.4	--	--
Brockman Station	6500	2/14	31	9.0	--	--
Hell Creek	7100	2/14	42	16.5	--	--
Mount Baldy	9000	2/15	67	22.0	12.2	16.4
Mud Creek	7150	2/14	41	13.0	--	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation ‖ater content estimated. (SP) Pressure Pillow snow-water eqaivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
SUPPLEMENTAL MEASUREMENTS						
MARCH 15, 1974						
Above Burke	4100	3/14	97	31.4	10.6	--
Bad Bear	5500	3/14	66	19.6	--	--
Bogus Basin	6120	3/13	88	31.5	18.2	--
Bogus Basin Road	5360	3/13	30	11.6	--	--
Fourth of July Summit	3100	3/14	45	14.4	2.6	--
Galena	7300	3/15	96	33.0	13.0	--
Galena Summit	8795	3/15	110	39.2	15.6	--
Lookout	5250	3/14	140	48.2	20.0	--
Moores Creek Summit	6100	3/14	126	43.6	--	--
Mount Baldy	9000	3/15	93	30.0	14.3	19.7
Pierce Ranger Station	3170	3/18	48	17.8	4.7	11.1
Prairie	4900	3/15	27	8.6	0.8	--
Sherwin	3200	3/14	66	22.7	3.7	14.2
APRIL 1, 1974						
Buck Meadows	5600	4/5	104	43.8	26.0	29.7*
Mountain Meadows	6300	4/8	81	34.8	21.8	26.1*
APRIL 15, 1974						
Atlanta Summit	7500	4/15	133	54.2	--	--
Bad Bear	5500	4/16	46	19.5	--	--
Bogus Basin	6120	4/17	74	34.2	--	--
Deadwood Summit	7000	4/15	182	81.2	--	--
Galena	7300	4/15	82	35.0	12.5	--
Galena Summit	8795	4/15	108	44.0	18.6	--
Lookout	5250	4/19	125	56.8	19.2	--
Moores Creek Summit	6100	4/16	115	50.6	--	31.7
Mount Baldy	9000	4/17	89	32.6	16.8	--
Pierce Ranger Station	3170	4/15	28	11.5	0.3	--
Prairie	4900	4/14	0	0.0	0.0	--
Trinity Mountain	7780	4/15	167	75.7	--	--
MAY 15, 1974						
Buck Meadows	5600	5/16	73	35.6	--	--
Mount Baldy	9000	5/21	53	22.8	--	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average (b)

CORRECTIONS TO PREVIOUSLY PUBLISHED 1974 DATA

JANUARY 1, 1974

Above Gilmore (A)	8200	1/2	26	5.3	2.7	--
Aspen Hall Pass (A)	8110	1/2	29	5.6	4.1	--
Cottonwood Butte	5140	1/3	31	7.7	3.0	--
Emigrant Summit	7350	1/3	55	14.6	9.8	9.6*
Meadow Lake (A)	9100	1/2	51	12.9	6.1	--
Mud Flat	5500	12/26	18	3.6	--	--
Schwartz Lake (A)	8500	1/2	34	7.6	3.8	--

FEBRUARY 1, 1974

Buck Meadows	5600	2/7	102	30.7	14.0	21.3*
Darby Canyon	8250	2/6	71	19.3	--	--
Cottonwood Butte	5140	2/6	45	11.5	5.0	--
Emigrant Summit	7350	1/31	71	21.6	13.8	16.6*
Liberty Spring	8600	1/30	96	30.6	20.3	--
Strawberry Mink Divide	6800	1/30	60	17.9	14.6	14.4
Willow Falt	6100	1/29	54	14.9	10.4	10.0

MARCH 1, 1974

Antelope Ridge	5900	2/28	33	10.2	4.4	6.1*
Crawford Ranger Station	4800	2/28	38	10.4	4.3	7.7
Darby Canyon	8250	3/10	87	28.4	17.0	--
Deadman Gulch	5600	2/28	59	19.4	9.0	14.0*
East Twin	4050	2/28	54	17.0	T	11.1
Goat Lake	6600	3/7	162	58.6	29.2	43.8*
Lookout	5250	2/26	130	43.4	17.8	32.7
Meadow Lake (A)	9100	3/4	73	22.3	9.9	17.1*
Mud Creek	7150	3/9	47	16.1	--	--
Mud Flat	5500	2/28	28	7.3	4.8	5.4
Sherwin	3200	2/26	60	20.2	5.2	13.8*
Somsen Ranch	7000	2/28	46	14.1	10.8	12.0
White Elephant	7700	2/27	81	28.6	17.2	--
Wilson Creek	7500	2/23	46	11.7	11.8	--

APRIL 1, 1974

Aspen Hall Pass (A)	8110	4/4	50	13.2	9.0	9.6*
Badger Gulch	6660	4/4	48	18.9	13.6	12.0
Deadwood Summit	7000	4/5	200	78.0	38.6	47.0
Leatherman Pass	9800	4/4	99	37.6	19.1	--
Liberty Spring	8600	3/27	116	46.8	32.6	36.8*
Lookout	5250	3/27	122	46.9	20.8	38.7
Lost Lake	6000	4/4	282	89.1	36.9	62.1*
Meadow Lake	9100	4/4	92	33.7	13.1	20.5*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation ‖ Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Average [b]
APRIL 1, 1974 (Cont'd)						
Schwartz Lake	8500	4/4	62	19.8	9.6	13.4*
Silver City	6400	3/28	51	21.7	10.5	15.1
MAY 1, 1974						
Aspen Hall Pass (A)	8110	4/30	11	3.6	--	--
Graham Ranch	6200	4/29	17	6.6	3.2	7.0*
Lookout	5250	5/1	108	47.2	16.8	37.7
Deadwood Dam	5290	4/29	29	11.5	2.6	10.9

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivolent.*

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Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
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Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
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"The Conservation of Water begins with the Snow Survey"

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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JAN. 1, 1975

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.
SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecost and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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WASHINGTON, D C

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BOISE, IDAHO

In Cooperation with

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WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR JANUARY 1, 1975

Snow accumulation in the mountains of Idaho thus far in the 1974-75 winter season has been below normal throughout the state except for the southern tributary drainages into the Snake River and the small watersheds north of the Pend Oreille River in the northern part of the state. Snow-water equivalent varies from a low of 62% of normal on the Little Wood River watershed to a high of 128% of average on the Bruneau River drainage along the Idaho-Nevada border.

Soil moisture in general is below normal due to below normal precipitation during the summer and fall months of 1974.

Carryover storage in the irrigation reservoirs is near normal throughout the state with some smaller reservoirs reporting well above average contents as of January 1.

COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Pend Oreille River	29	62	78
Clark Fork River	25	62	79
Flathead River	4	63	75
Priest River	4	75	121
Spokane River	1	75	88
LOWER SNAKE RIVER BASIN			
Clearwater River	5-16	58	77
Salmon River	10-19	43	74
Lemhi River	6	35	--
MIDDLE SNAKE RIVER BASIN - Northside			
Little Wood River	2-3	45	62
Big Wood River	5	47	72
Boise River	7	51	86
Payette River	9-12	44	74
Weiser River	1	44	95
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	1	51	108
Salmon Falls Creek	7	92	121
Bruneau River	3	103	128
Owyhee River	3	62	114
UPPER SNAKE RIVER BASIN			
Snake Basin - Wyoming	11	--	62
Camas-Beaver Creeks	2	78	91
Henrys Fork River	4-7	46	70
Willow-Sand Creeks	6	79	--
Blackfoot River	1	98	96
GREAT BASIN			
Montpelier Creek	4	70	85

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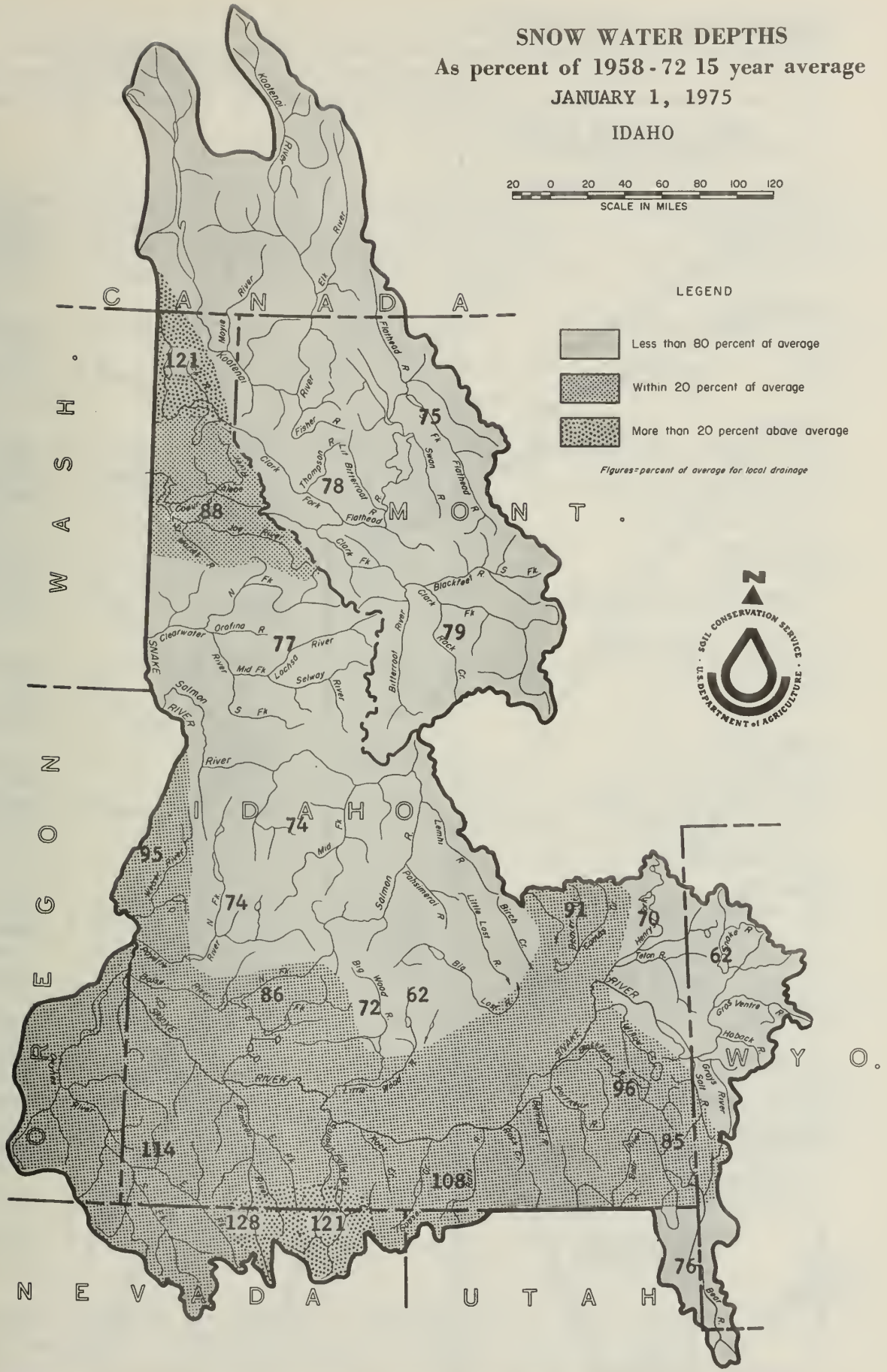
SNOW WATER DEPTHS
As percent of 1958-72 15 year average
JANUARY 1, 1975
IDAHO



RESERVOIR STORAGE (1,000 Ac. Ft.)

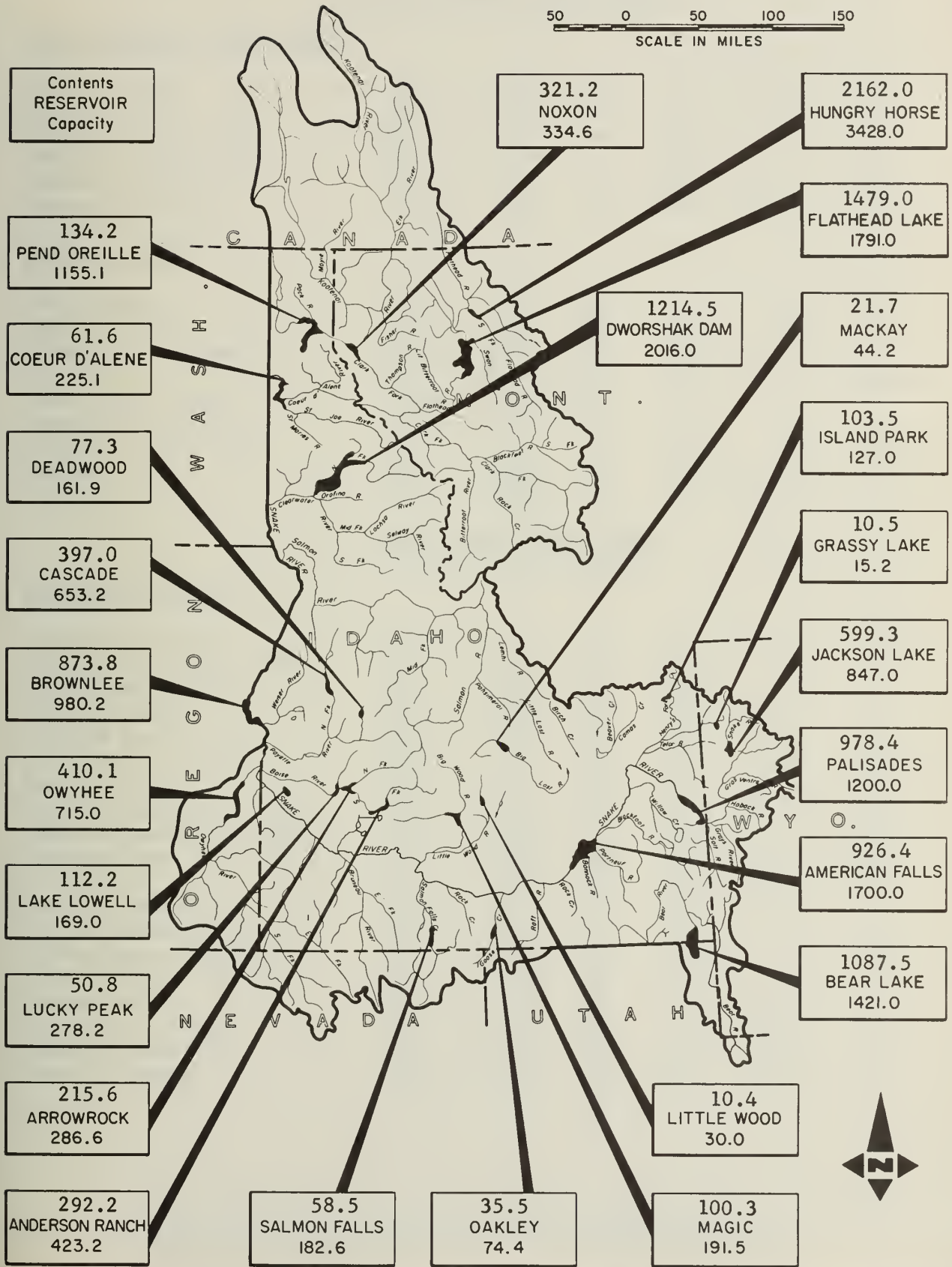
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2162.0	2604.0	2766.0
Flathead	1791.0	1479.0	1386.0	1423.0
Pend Oreille	1155.1	134.2	326.5	431.2
Noxon	334.6	321.2	295.4	325.5
Spokane				
Coeur d'Alene	225.1	61.6	182.0	138.2
SNAKE BASIN				
Snake				
Jackson Lake	847.0	599.3	633.5	531.5
Palisades	1200.0	978.4	936.5	751.3
American Falls	1125.0	926.4	825.9	448.4
Island Park	127.0	103.5	90.4	82.0
Grassy Lake	15.2	10.5	10.3	9.6
Brownlee	980.2	873.8	941.3	792.7*
Goose-Trapper Creeks				
Oakley	74.4	35.5	39.5	12.6
Salmon Falls Creek				
Salmon Falls	182.6	58.5	71.7	25.5
Big Lost				
Mackay	44.2	21.7	20.0	27.7
Big Wood				
Magic	191.5	100.3	45.9	88.5
Little Wood				
Little Wood	30.0	10.4	11.2	11.6
Fish Creek				
Carey Valley	14.4	3.5	3.7	--
Boise				
Anderson Ranch	423.2	292.2	236.4	278.0
Arrowrock	286.6	215.6	176.2	204.9
Lucky Peak	278.2	50.8	46.0	60.3
Lake Lowell (Deer Flat)	169.0	112.2	105.9	106.3
Owyhee				
Owyhee	715.0	410.1	434.6	406.8
Payette				
Cascade	653.2	397.0	342.6	354.0
Deadwood	161.9	77.3	21.5	68.0
Weiser				
Mann Creek	11.1	2.7	6.5	--
Clearwater				
Dworshak	2016.0	1214.5	1426.9	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1087.5	1109.1	944.4

*Period of Record

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1975



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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	12/30	15	1.9	3.0	3.5
Benton Spring	4900	1/3	36	9.3	14.3	8.4
#Mosquito Ridge (SP)	5110	1/1	--	17.7	--	--
#Mosquito Ridge (SP)	5110	1/6	--	19.0	--	--
Schweitzer Bowl	4500	12/31	61	16.6	24.8	14.3*
Schweitzer Ridge	6100	12/31	93	30.2	34.8	21.6*
SPOKANE RIVER						
Above Burke	4100	1/2	37	9.7	9.8	--
Copper Ridge	4800	1/2	38	9.2	--	--
Fourth of July Summit	3100	1/2	21	4.3	--	--
Lookout	5250	12/30	54	13.6	18.1	15.5
Lower Sands Creek	3400	12/31	29	6.4	--	--
Mosquito Ridge (SP)	5110	1/1	--	17.7	--	--
Mosquito Ridge (SP)	5110	1/6	--	19.0	--	--
Sherwin	3200	12/30	29	5.6	10.0	--
Sherwin (SP)	3200	12/30	--	6.0	9.3	--
LOWER SNAKE RIVER BASIN						
CLEARWATER RIVER						
Cayuse Airstrip	3700	1/2	26	3.5	8.5	5.5*
Coolwater Mountain (SP)	6200	1/1	--	1.0	--	--
Cottonwood Butte	5140	12/31	20	3.7	7.7	--
Crater Meadows	6100	1/2	58	13.8	22.9	--
Crooked Fork	3600	12/31	27	6.0	8.2	--
Fish Lake Airstrip	5000	1/2	60	12.7	20.7	17.6*
Hemlock Butte	5500	1/2	65	15.4	29.7	--
#Hoodoo Basin Mont.	6000	12/27	66	17.0	30.0	20.8
#Hoodoo Basin (SP) Mont.	6000	12/31	--	18.1	--	19.1
#Hoodoo Creek Mont.	5900	12/27	63	13.9	24.9	18.9
Lolo Pass	5250	12/31	48	10.7	15.2	--
Lower Snowhaven	5300	12/31	27	5.8	10.8	--
Orogrande Mountain (SP)	7800	1/1	--	16.5	--	--
Pierce Ranger Station	3170	12/31	22	4.5	8.0	4.5
Powell Ranger Station	3410	12/31	26	5.0	7.0	--
Savage Pass	6160	12/30	39	8.8	13.0	--
Savage Pass (New)	6160	12/30	42	9.1	13.2	--
Shanghai Summit	4600	1/2	38	8.4	17.2	--
Upper Snowhaven	5600	12/31	22	6.0	11.2	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation ‖ater content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
SALMON RIVER						
Big Creek Summit	6600	12/26	41	9.7	22.9	13.8*
#Boulder Creek	5500	12/31	35	9.5	21.6	10.0*
Brundage Mountain	7560	12/29	58	13.8	36.8	18.6*
#Deadwood Summit	7000	12/31	55	13.1	35.2	24.4*
#Deadwood Summit (SP)	7000	12/30	--	11.9	--	--
#Galena Summit	8795	12/30	43	8.9	16.4	10.4
#Gibbons Pass Mont.	7100	12/30	36	6.7	11.5	9.5
Mill Creek Summit (A)	8870	1/2	32	7.5	16.0	10.5*
Moose Creek	6200	1/2	28	5.2	9.7	5.6*
Morgan Creek	7580	12/30	25	4.0	8.3	5.9*
#Rock Flat Summit	5200	12/29	31	6.6	12.5	6.8
#Secesh Summit	6440	1/2	51	12.4	27.3	--
#Squaw Meadow	5800	1/2	49	11.5	28.7	--
Twin Peaks (A)	10300	1/2	40	9.4	17.6	--
Vienna Mine	8900	1/2	44	11.3	--	--
Lemhi River						
Above Gilmore (A)	8200	1/2	11	1.7	5.3	--
Aspen-Hall Pass (A)	8110	1/2	18	2.8	5.6	--
Copes Camp (A)	7500	1/2	12	1.9	4.5	--
Hall Creek (A)	7560	1/2	7	1.1	3.4	--
Meadow Lake (A)	9100	1/2	19	3.0	12.9	--
Schwartz Lake (A)	8500	1/2	24	3.8	9.0	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
BIG LOST RIVER						
Bear Canyon	7920	12/26	15	3.0	--	--
Copper Basin	7650	12/26	6	0.9	--	--
Fishpole Lake	9350	12/26	21	4.9	--	--
Lost-Wood Divide	7900	12/26	18	4.5	--	--
Stickney Mill	7500	12/26	14	2.3	--	--
LITTLE WOOD RIVER						
#Bear Canyon	7920	12/26	15	3.0	--	--
Garfield Ranger Station	6554	12/31	17	2.6	5.2	4.4*
Muldoon	6300	12/31	16	2.1	3.5	3.2*
Swede Peak	7650	12/31	25	4.1	10.8	--
BIG WOOD RIVER						
Galena	7300	12/30	33	5.9	13.6	8.0
Galena Summit	8795	12/30	43	8.9	16.4	10.4
Graham Ranch	6200	12/30	24	3.8	7.4	5.6
Mascot Mine	7900	12/26	10	2.1	--	--
Mount Baldy	9000	1/2	34	6.2	13.0	8.8
Soldier Ranger Station	6100	1/2	13	2.4	7.8	5.2*
#Vienna Mine	8900	1/2	44	11.3	--	--
BOISE RIVER						
Atlanta Summit	7500	1/2	45	10.7	24.9	15.2*
Atlanta Summit (SP)	7500	1/3	--	10.7	--	--
Bad Bear	5500	1/3	24	6.1	7.8	6.5*
#Bogus Basin	6120	1/6	42	11.3	18.8	9.3
Bogus Basin Road	5360	1/6	23	5.3	7.6	2.4*
Moores Creek Summit	6100	1/3	44	11.1	20.2	13.0
#Soldier Ranger Station	6100	1/2	13	2.4	7.8	5.2*
Trinity Mountain	7780	1/2	52	14.0	32.9	19.1*
Trinity Mountain (SP)	7780	1/3	--	14.2	--	--
Trinity Mountain (R)	7780	1/3	--	14.6	--	--
#Vienna Mine	8900	1/2	44	11.3	--	--
PAYETTE RIVER						
#Big Creek Summit	6600	12/26	41	9.7	22.9	13.8*
Bogus Basin	6120	1/6	42	11.3	18.8	9.3
#Brundage Mountain	7560	12/29	58	13.8	36.8	18.6*
Cozy Cove	5900	12/31	30	5.5	10.8	6.9
Cozy Cove (SP)	5900	1/3	--	5.2	--	--
Crawford Ranger Station	4800	12/26	6	1.4	4.6	3.1*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average [b]
Deadwood Airstrip	5440	12/31	29	5.5	10.6	6.6
Deadwood Dam	5290	12/31	28	5.0	10.5	7.2
Deadwood Summit	7000	12/31	55	13.1	35.2	24.4*
Deadwood Summit (SP)	7000	1/3	--	12.2	--	--
Lake Fork	6000	1/2	31	6.5	11.8	--
Rock Flat Summit	5200	12/29	31	6.6	12.5	6.8
Secesh Summit	6440	1/2	51	12.4	27.3	--
Squaw Meadow	5800	1/2	49	11.5	28.7	--
WEISER RIVER						
Boulder Creek	5500	12/31	35	9.5	21.6	10.0*

*(b) 1958-72, 15 yeor period. #Not located directly on this drainage. * Estimoted 1958-72, 15 year Average. (A) Aeriol observotion Water content estimoted. (SP) Pressure Pillow snow-woter equivalent. (R) Rodioactive Gage snow-water equivolent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)

MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER

Howell Canyon	8000	12/30	36	10.7	20.8	9.9

SALMON FALLS CREEK

#Bear Creek (A) Nev.	7800	12/29	38	10.4	9.2	7.5*
Cedar Creek (A)	7000	12/29	21	5.5	6.7	4.1*
Deadline	6900	12/27	37	9.8	11.5	8.7
Goat Creek Nev.	8800	12/28	34	8.2	8.3	7.5*
Goat Creek (A) Nev.	8800	12/29	36	9.8	8.3	7.5*
#Hummingbird Spgs.(A) Nev.	8945	12/29	31	8.7	10.8	8.7*
Magic Mountain	6700	12/27	30	7.9	10.9	6.9
#Pole Creek R. S. Nev.	8330	12/28	42	11.5	9.7	7.7
Red Point (A) Nev.	7940	12/29	10	2.8	1.6	--
Shoshone Basin	5740	12/27	17	4.0	--	--
Wilson Creek (A)	7500	12/29	27	7.5	6.5	--

BRUNEAU RIVER

Bear Creek (A) Nev.	7800	12/29	38	10.4	9.2	7.5*
Hummingbird Springs (A) Nev.	8945	12/29	31	8.7	10.8	8.7*
Pole Creek R. S. Nev.	8330	12/28	42	11.5	9.7	7.7
#Seventy-six Creek (A) Nev.	7100	12/29	21	5.9	8.1	--

OWYHEE RIVER

#Bear Creek (A) Nev.	7800	12/29	38	10.4	9.2	7.5*
#Seventy-six Creek (A) Nev.	7100	12/29	21	5.9	8.1	--
Silver City	6400	12/30	29	6.2	12.7	5.6*
South Mountain	6340	12/27	16	4.0	11.2	4.9*

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SNOW

DRAINAGE BASIN and or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]
UPPER SNAKE RIVER BASIN						
CAMAS-BEAVER CREEKS						
Camp Creek	6800	12/31	19	3.8	4.6	4.3
Kilgore	6200	12/31	20	4.1	5.5	4.4*
HENRYS FORK RIVER						
Big Springs	6500	12/30	32	5.0	10.6	7.8
Grassy Lake Wyo.	7230	12/30	49	11.1	18.8	14.1
Island Park	6315	12/30	30	4.4	8.8	6.1
Sawtell Mountain	8720	12/30	44	9.0	23.4	--
Targhee Pass	7000	12/30	24	3.7	6.3	--
Valley View	6500	12/30	24	3.5	7.4	6.3
White Elephant	7700	12/30	33	5.8	16.1	--
TETON RIVER						
McRenolds Reservoir	6800	1/3	34	7.6	10.2	--
Pine Creek Pass	6750	Delayed			9.0	6.6*
State Line	6650	Delayed			6.8	5.7
WILLOW CREEK						
Aspen Grove	6600	1/2	26	6.2	7.0	--
Birch Creek	6800	1/2	21	4.2	5.8	--
Blue Ridge	6800	1/2	29	7.1	--	--
Bone	6200	1/2	12	2.1	3.3	2.6*
Brockman Station	6430	1/2	18	3.4	--	--
Hell Creek	7100	1/2	23	4.5	--	--
Mud Creek	7150	1/2	33	7.9	--	--
Sheep Mountain	6510	1/2	22	4.1	5.8	--
Tex Creek	6550	1/2	22	4.0	4.8	--
SAND CREEK						
Henry Creek	5650	1/2	13	2.5	2.6	2.1*
BLACKFOOT RIVER						
Austin Bros. Ranch	6400	1/3	14	2.4	--	--
Slug Creek Divide	7230	12/30	28	7.5	7.6	--
Somsen Ranch	7000	1/3	26	5.0	--	5.2*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average b/
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	12/31	38	10.2	14.6	9.2*
Montpelier Creek						
Giveout	6840	12/30	19	4.6	6.2	4.6*
Little Beaver	6970	12/30	25	6.0	7.0	5.4*
Montpelier Creek	6570	12/31	11	2.2	4.2	3.5*
Whiskey Flat	6985	12/30	9	1.8	3.6	3.7*
Mink Creek						
#Emigrant Summit	7350	12/31	38	10.2	14.6	9.2*
Liberty Spring	8600	12/30	53	16.1	--	--
Cub River						
Willow Flat	6100	12/30	28	7.9	--	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	1/2	Frozen	4.6	3.3
HENRYS FORK RIVER							
Island Park	6315	48	9.9	12/30	7.6	10.7	8.4
Valley View	6500	48	13.3	12/30	3.4	9.4	Frozen
BIG WOOD RIVER							
Galena	7300	48	10.1	12/30	5.0	7.7	5.2
Galena Summit	8795	48	5.8	12/30	1.0	1.5	Frozen
RAFT RIVER							
Conner Pass	5700	36	9.8	1/2	8.2	--	8.8
Howell Canyon	8000	48	11.5	12/30	5.5	8.3	--
Sheep Hollow	6200	36	7.5	11/15	3.9*	--	--
GOOSE CREEK							
Badger Gulch	6660	36	7.0	11/15	5.4*	--	--
SALMON FALLS CREEK							
Deadline	6900	36	7.4	12/27	5.7	6.7	--
Pole Creek R. S.	8330	48	9.7	12/28	6.8	8.1	--
BEAR RIVER							
Emigrant Summit	7350	36	8.2	12/31	4.8	6.3	5.4
Strawberry Creek	5800	48	12.7	12/31	7.1	--	7.1
Montpelier Creek							
Giveout Pass	7025	36	9.4	12/31	2.4	7.5	4.0
Jenson Ranch	6580	48	18.7	12/31	6.1	11.2	8.2

*Fall Measurement

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Stotes:

Idoho Deportment of Water Resources
State of Idoho Deportment of Fish ond Gome
University of Idoho
Idoho State University
Montono Agriculturol Experiment Stotion
Montano State Water Canservation Boord
Montono Cooperotive Snow Surveys
Nevada Cooperotive Snow Surveys
Oregon Agriculturol Experiment Stotion
Oregon Cooperotive Snow Surveys
Oregon State Engineer and Corps of
Stote Watermosters
Utoh Cooperative Snow Surveys
Wyoming Cooperotive Snow Surveys

Federol:

U.S. Army Engineers

U.S. Department of Agriculture
Forest Service
Agriculture Reseorch Service

U.S. Department of Commerce
NOAA, Nationol Weather Service

U.S. Deportment of the Interior
Bonneville Power Administrotion
Bureou of Reclomotion
Fish ond Wildlife Service
Woter Resources Division, Geological Survey
Notional Pork Service
Bureou of Lond Manogement

PUBLIC UTILITIES

The Montona Pawer Compony
Washington Water Power Company
Idoho Power Compony
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigotion District
Bloine Soil Conservation District
Boise Project Board of Contral
Idoho Woter District #01
Little Wood River Irrigation District
Monn Creek Irrigotion District
Solman Falls Creek Irrigotion Company
Twin Falls Sail Conservation District
Big Wood Irrigation Compony
Owyhee Project - North & South Boord of Cantrol

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
Room 345
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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
FEB. 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.
SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Snow Survey Supervisor
and
MARION O. CARSTENS, Statistical Assistant

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

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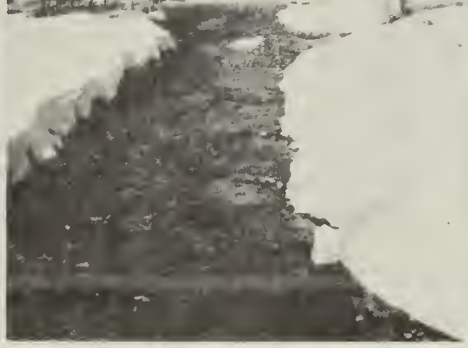
WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR FEBRUARY 1, 1975

Storms during February were spotty and erratic, producing generally above normal snowfall on the Owyhee drainage, the Upper Snake River and tributary watersheds above American Falls Reservoir, the Bear River drainage and northern Idaho watersheds from the Payette River drainage north into Montana and British Columbia. Snow-water accumulation during the month was below normal on the Weiser, Boise, Wood and Lost Rivers north of the Snake River and the Bruneau and Salmon Falls Creek watersheds to the south. Snow-water equivalents range from 50% of average on the Little Wood watershed to 150% of normal on the Owyhee drainage.

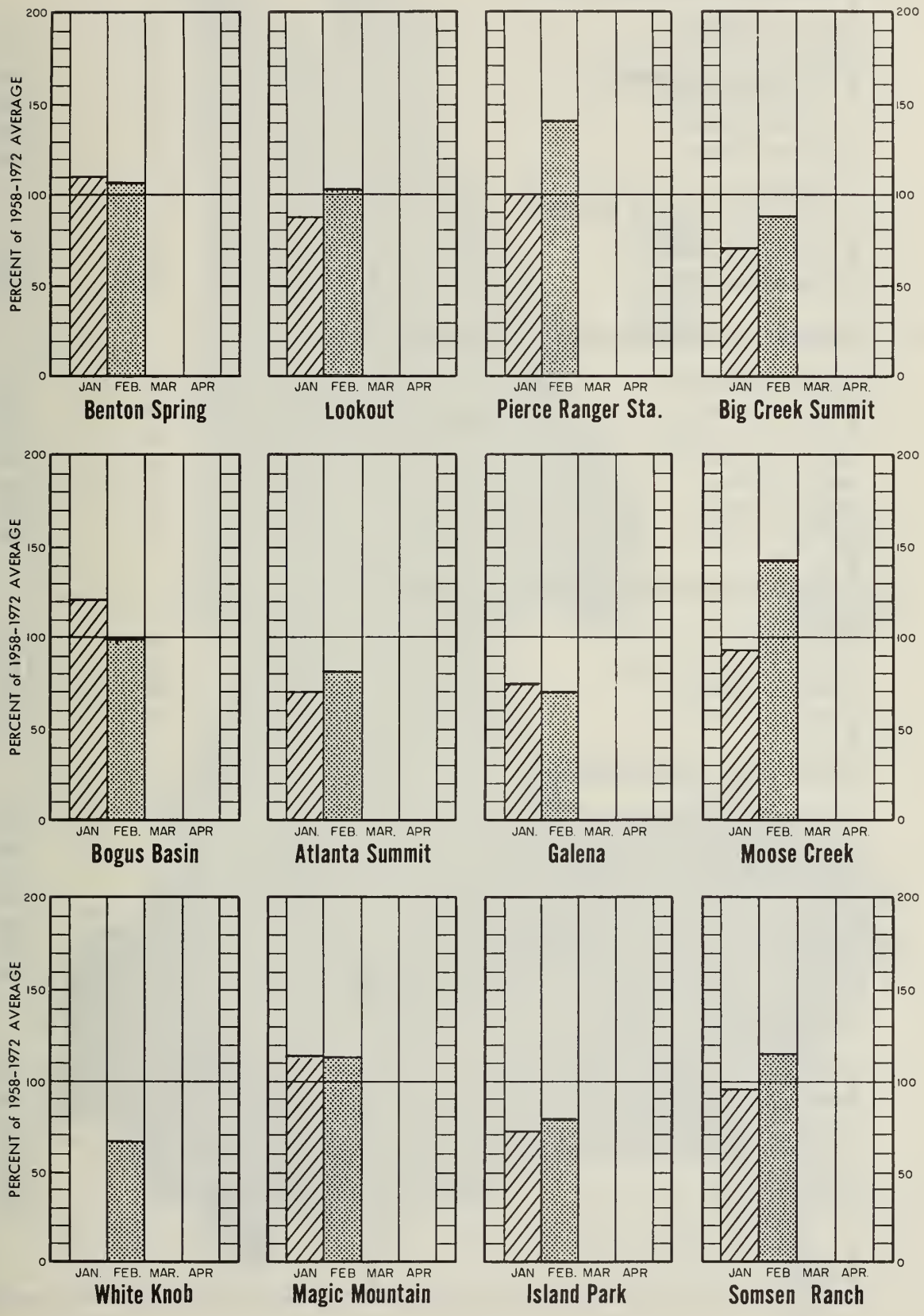
Streamflow forecasts at selected stations for the April-September season vary from 57% of average for the Big Lost River near Mackay, Idaho to 120% of normal for Inflow to Owyhee Reservoir in eastern Oregon. The water outlook for irrigation is for sufficient supplies where adequate storage facilities are available. Shortages may be experienced on small streams with no storage in the southern part of the state. Supplies could be marginal on the Lost and Wood Rivers unless precipitation shows a marked improvement during the remainder of the winter.

Soil moisture in general is well below normal. Drought conditions from May to November in 1974 left the soil mantle extremely dry at the start of the winter season. Snow has accumulated on these dry soils and will lose potential runoff volumes to soil priming when the snow begins to melt in the spring.

Carryover storage is good to excellent. Storage as of February 1 in total for fifteen selected irrigation reservoirs was 124% of average.

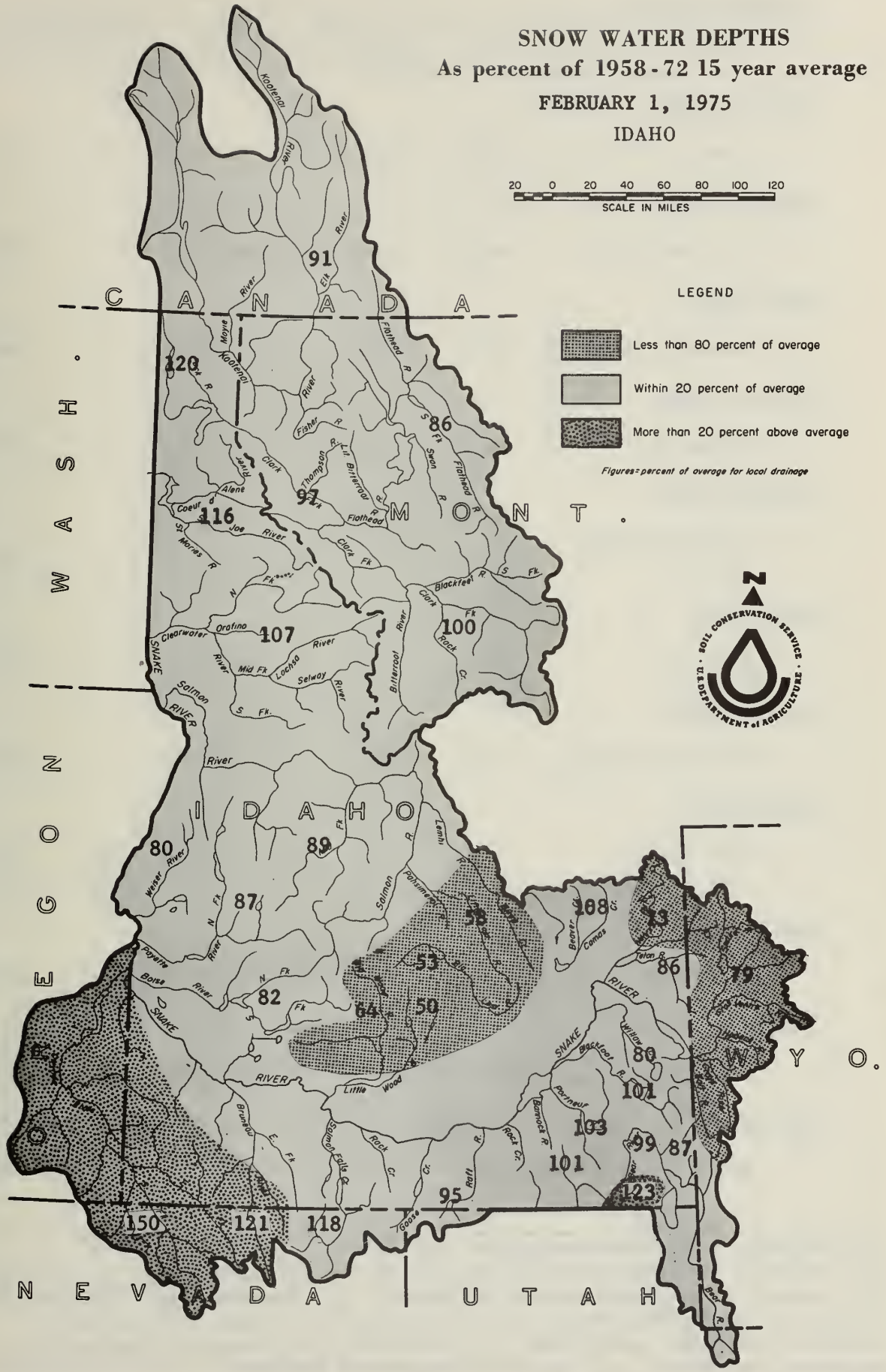
Valley precipitation for November 1974 through January 1975 was above normal on the Clearwater, Pend Oreille-Spokane, and Kootenai River watersheds and below average on all other drainages.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1958-1972 15 Yr. Average



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	9	75	91
Pend Oreille River	35	82	97
Clark Fork River	27	85	100
Flathead River	8	71	86
Priest River	4	84	120
Spokane River	3-4	94	116
LOWER SNAKE RIVER BASIN			
Clearwater River	6-13	83	107
Salmon River	12-13	59	89
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	61	58
Big Lost River	6	45	53
Little Wood River	3-4	39	50
Big Wood River	7	43	64
Boise River	9-10	59	82
Payette River	8-10	59	87
Weiser River	1	49	80
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	1	58	95
Salmon Falls Creek	8	94	118
Bruneau River	4	104	121
Owyhee River	5	90	150
UPPER SNAKE RIVER BASIN			
Snake Basin - Wyoming	22	67	79
Camas-Beaver Creeks	2	109	108
Henrys Fork River	9-11	59	73
Teton River	2-10	65	86
Willow-Sand Creeks	6	62	80
Blackfoot River	3	93	101
Portneuf River	4	82	103
GREAT BASIN			
Bear River-Upper	6	83	91
Bear River-Lower	19	80	97
Montpelier Creek	4-6	87	87
Mink Creek	7	78	99
Cub River	2	81	123
Malad River	4-6	85	101


SNOW WATER DEPTHS
As percent of 1958-72 15 year average
FEBRUARY 1, 1975
IDAHO
20 0 20 40 60 80 100 120
SCALE IN MILES
LEGEND
Less than 80 percent of average
Within 20 percent of average
More than 20 percent above average
Figures=percent of average for local drainage
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CANADA
WASH.
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NEVADA
UTAH
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MONT.
IDAHO
91
120
86
97
116
107
100
80
89
87
82
64
50
53
58
108
73
86
79
80
101
103
99
87
101
123
95
150
121
118

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
KOOTENAI RIVER						
Leonia	(at)	8400	93	Apr-Sep	--	9073
SPOKANE RIVER						
Post Falls 1/	(at)	3100	103	Apr-Sep	--	3008
SNAKE RIVER						
Heise 2/	(nr)	3050	77	Apr-Sep	--	3946
BIG LOST RIVER						
Mackay 3/	(nr)	105	57	Apr-Sep	--	183
BIG WOOD RIVER						
Magic Reservoir Inflow		180	60	Apr-Sep	--	301
BOISE RIVER						
Boise 4/	(nr)	1150	71	Apr-Sep	--	1612
PAYETTE RIVER						
Horseshoe Bend 5/	(nr)	1500	81	Apr-Sep	--	1850
OWYHEE RIVER						
Lake Owyhee		585	115	Feb-Jul	804	510
net inflow 6/		400	120	Apr-Sep	408	332
SALMON RIVER						
Whitebird	(at)	6070	87	Apr-Sep	--	6959
CLEARWATER RIVER						
Spalding	(at)	8250	97	Apr-Sep	--	8514
BEAR RIVER						
Harer	(at)	245	90	Apr-Sep	--	271

(c) Assuming normal meteorological conditions.
1/ Observed flow corrected for storage in Coeur d'Alene Lake. 2/ Corrected for storage in Jackson Lake and Palisades. 3/ Observed flow corrected for storage in Mackay Reservoir. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Cascade and Deadwood Reservoirs. 6/ U.S.B.R. records of inflow.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

FEBRUARY 1, 1975

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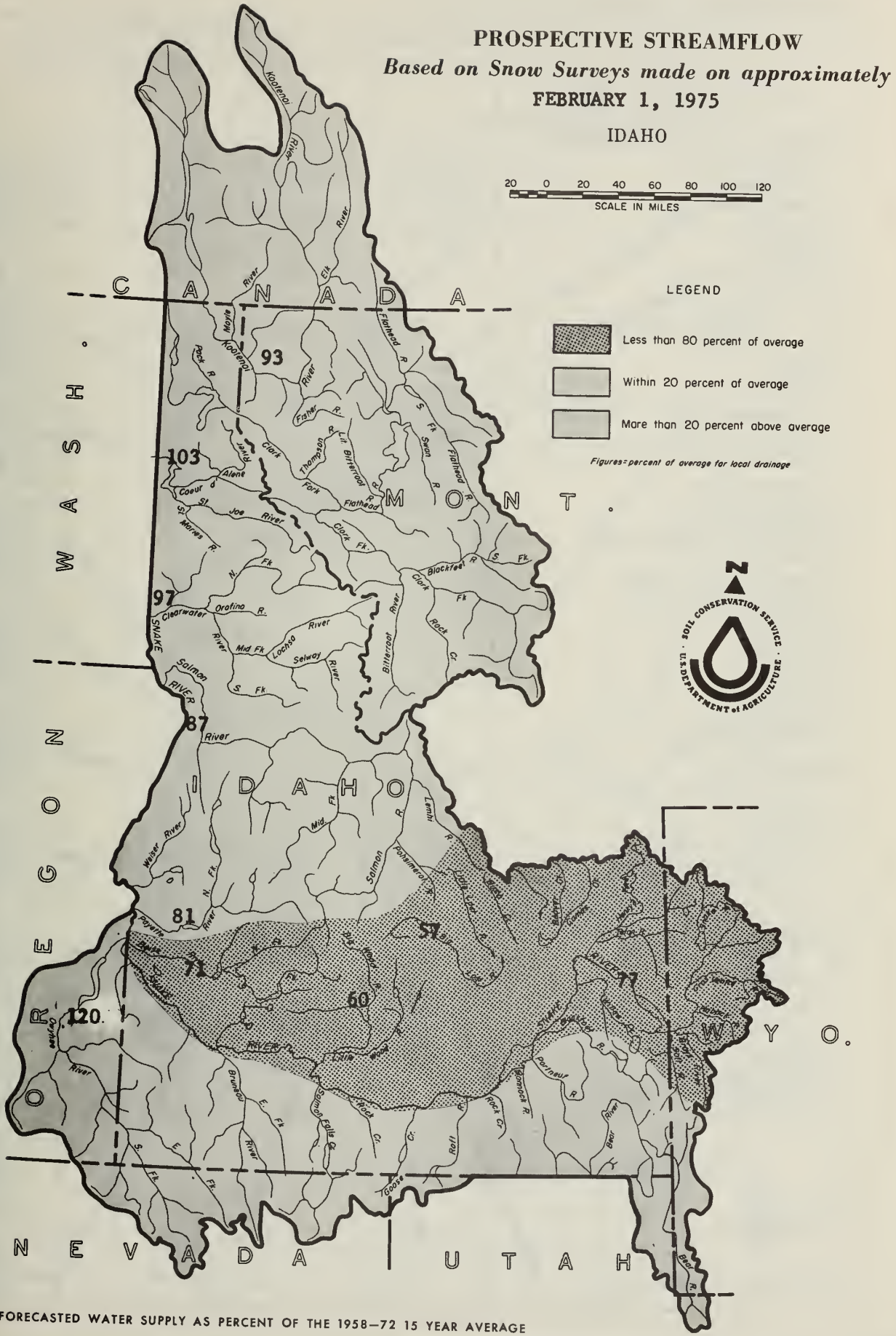


FORECASTED WATER SUPPLY AS PERCENT OF THE 1958—72 15 YEAR AVERAGE

RESERVOIR STORAGE (1,000 Ac. Ft.)

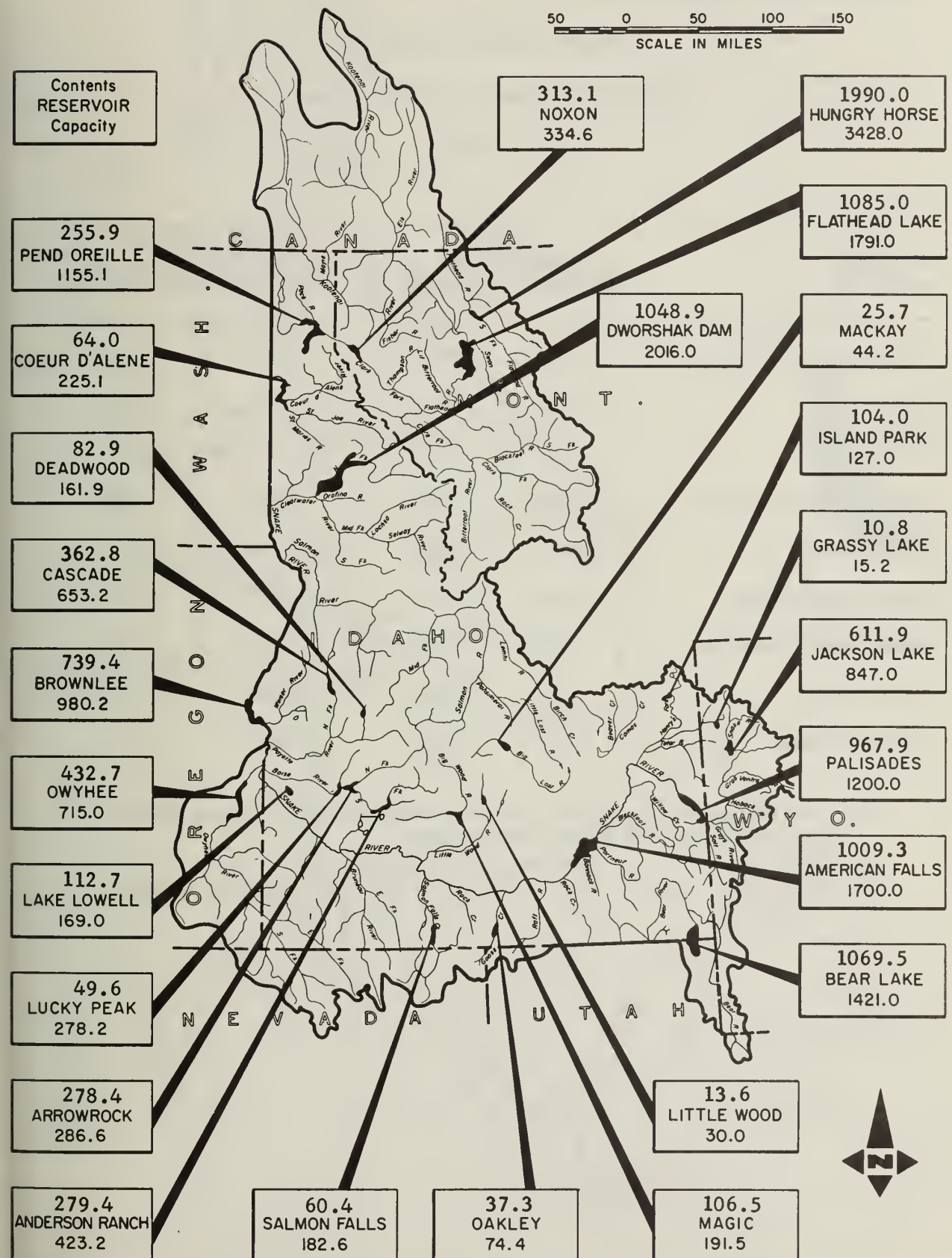
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1990.0	2508.0	2484.0
Flathead	1791.0	1085.0	1396.0	1246.0
Pend Oreille	1155.1	255.9	840.5	438.2
Noxon	334.6	313.1	305.6	320.8
Spokane				
Coeur d'Alene	225.1	64.0	386.0	138.4
SNAKE BASIN				
Snake				
Jackson Lake	847.0	611.9	644.3	540.9
Palisades	1200.0	967.9	959.2	782.1
American Falls	1125.0	1009.3	1038.3	623.6
Island Park	127.0	104.0	104.2	99.9
Grassy Lake	15.2	10.8	10.5	10.0
Brownlee	980.2	739.4	735.5	636.1*
Goose-Trapper Creeks				
Oakley	74.4	37.3	41.9	15.7
Salmon Falls Creek				
Salmon Falls	182.6	60.4	74.1	29.2
Big Lost				
Mackay	44.2	25.7	24.8	29.9
Big Wood				
Magic	191.5	106.5	52.8	92.8
Little Wood				
Little Wood	30.0	13.6	13.6	13.5
Fish Creek				
Carey Valley	14.4	4.7	4.7	--
Boise				
Anderson Ranch	423.2	279.4	212.4	257.1
Arrowrock	286.6	278.4	278.7	240.4
Lucky Peak	278.2	49.6	82.5	92.7
Lake Lowell (Deer Flat)	169.0	112.7	113.7	114.0
Owyhee				
Owyhee	715.0	432.7	509.8	407.7
Payette				
Cascade	653.2	362.8	421.7	342.1
Deadwood	161.9	82.9	32.0	73.8
Weiser				
Mann Creek	11.1	3.2	8.3	--
Clearwater				
Dworshak	2016.0	1048.9	1202.4	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1069.5	1096.6	944.9

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1975



VALLEY PRECIPITATION 1/

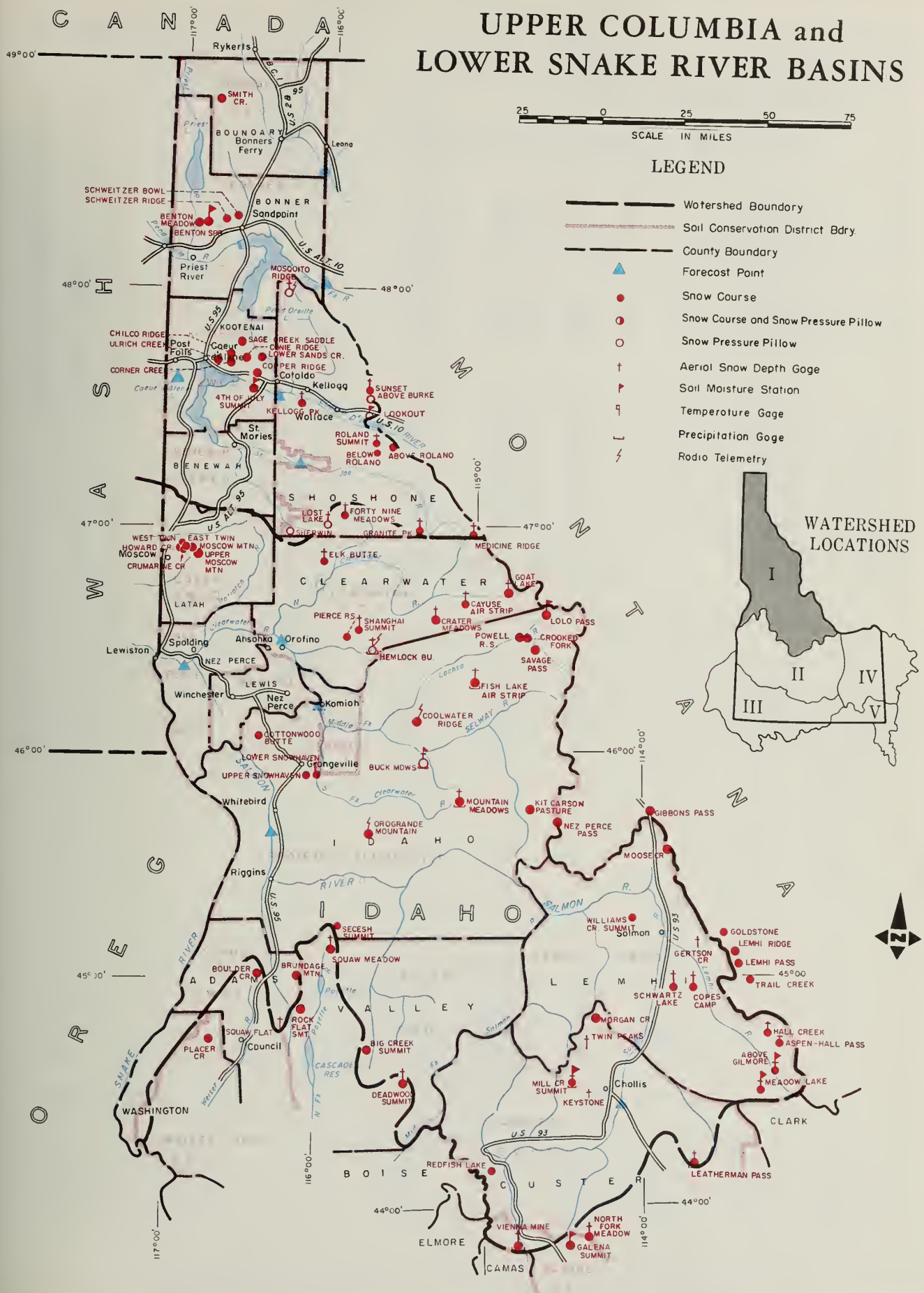
Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter January 1975		Fall - Winter Nov. 74 - Jan. 75	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	3.78	+0.09	12.63	+2.38
Flathead	1.78	-1.16	5.42	-2.31
Clark Fork	1.93	+0.53	3.07	-0.38
Pend Oreille-Spokane	5.43	+0.64	14.53	+1.60
Upper Snake	2.35	-0.28	5.40	-1.34
Snake River Plain	0.75	-0.39	2.71	-0.67
Salmon-Payette-Boise	2.56	-0.82	6.49	-1.96
Clearwater	6.12	+2.26	11.45	+1.13
Owyhee-Malheur	0.98	-0.44	2.92	-0.97

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-1972) drainage division average.


UPPER COLUMBIA and
LOWER SNAKE RIVER BASINS
SCALE IN MILES
25 0 25 50 75
LEGEND
Watershed Boundary
Soil Conservation District Bdry.
County Boundary
Forecast Point
Snow Course
Snow Course and Snow Pressure Pillow
Snow Pressure Pillow
Aerial Snow Depth Gage
Soil Moisture Station
Temperature Gage
Precipitation Gage
Radio Telemetry
WATERSHED LOCATIONS
I
II
III
IV
V
CANADA
Rykerts
SMITH CR.
BOUNDARY
Bonners Ferry
Leona
SCHWEITZER BOWL
SCHWEITZER RIDGE
BENTON MEADOW
BENTON SPR.
BONNER
Sandpoint
Priest River
MOSQUITO RIDGE
KOOTENAI
CHILCO RIDGE
ULRICH CREEK
Post Falls
Coeur d'Alene
SAGE CREEK SADDLE
CONIE RIDGE
LOWER SANDS CR.
CORNER CREEK
COPPER RIDGE
Cotolo
Kellogg
4TH OF JULY SUMMIT
KELLOGG PK.
Wallace
SUNSET
ABOVE BURKE
LOOKOUT
St. Maries
ROLAND SUMMIT
BELOW ROLAND
ABOVE ROLAND
BENEWAH
SHOSHONE
LOST LAKE
FORTY NINE MEADOWS
SHERWIN
GRANITE PK.
MEDICINE RIDGE
WEST TWIN
EAST TWIN
HOWARD CR.
MOSCOW MTN.
MOSCOW
UPPER MOSCOW MTN
CRUMARINE CR
ELK BUTTE
CLEARWATER
GOAT LAKE
LATAH
CAYUSE AIR STRIP
PIERCE RS
SHANGHAI SUMMIT
CRATER MEADOWS
LOLO PASS
POWELL R.S.
CROOKED FORK
SAVAGE PASS
Lewiston
Spalding
Ahsahka
Orofino
HEMLOCK BU.
NEZ PERCE
LEWIS
Winchester
Nez Perce
Kamiah
FISH LAKE AIR STRIP
COOLWATER RIDGE
COTTONWOOD BUTTE
LOWER SNOWHAVEN
Grangeville
BUCK MDWS
UPPER SNOWHAVEN
Whitebird
MOUNTAIN MEADOWS
KIT CARSON PASSTURE
NEZ PERCE PASS
GIBBONS PASS
OROGRANDE MOUNTAIN
IDAHO
MOOSE CR.
Riggins
SALMON RIVER
WILLIAMS CR. SUMMIT
Salmon
GOLDSTONE
LEMHI RIDGE
LEMHI PASS
TRAIL CREEK
GERTSON CR.
SECESH SUMMIT
SQUAW MEADOW
BOULDER CR.
BRUNDAGE MTN.
ADAMS
LEMHI
SCHWARTZ LAKE
COPES CAMP
VALLEY
ROCK FLAT SMT.
SQUAW FLAT
Council
PLACER CR.
BIG CREEK SUMMIT
MORGAN CR.
TWIN PEAKS
HALL CREEK
ASPEN-HALL PASS
ABOVE GILMORE
MEADOW LAKE
CASCADE RES.
DEADWOOD SUMMIT
MILL CR. SUMMIT
KEYSTONE
Challis
WASHINGTON
CLARK
US 93
REDFISH LAKE
BOISE
CUSTER
LEATHERMAN PASS
VIENNA MINE
NORTH FORK MEADOW
GALENA SUMMIT
ELMORE
CAMAS
OREGON
NEVADA
WASHINGTON
49°00'
48°00'
47°00'
46°00'
45°00'
44°00'
117°00'
116°00'
115°00'
114°00'

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
UPPER COLUMBIA BASIN						
		KOOTENAI RIVER				
16A1	I	Smith Creek	29	64N	3W	4800
		PEND OREILLE - PRIEST RIVER				
16A2	I	Benton Meadow	27	58N	4W	2344
16A3	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
		HAYDEN CREEK				
16B8	I	Chilco Ridge	15	52N	2W	3650
16B7	I	Conie Ridge	22	52N	2W	3900
16B9	I	Corner Creek	22	52N	2W	3150
16B6	I	Sage Creek Saddle	10	52N	2W	4100
16B10	I	Ulrich Creek	28	52N	2W	2800
		SPOKANE RIVER				
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6&7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28&33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
LOWER SNAKE BASIN						
		PALOUSE RIVER				
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C4P	I	West Twin	14	40N	5W	4250

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
		CLEARWATER RIVER				
15D5MAP	I	Buck Meadows	26	31N	8E	5600
15C3A	I	Cayuse Airstrip	4	38N	11E	3700
15C7S	I	Coolwater Mountain	32	33N	8E	6200
16C16	I	Cottonwood Butte	33	32N	1W	5140
15C9A	I	Crater Meadows	2	37N	9E	6100
14C10	I	Crooked Fork	27	37N	14E	3800
16C15A	I	Elk Butte	6	40N	3E	5550
15C2AP	I	Fish Lake Airstrip	35	35N	11E	5000
15B3A	I	Forty-nine Meadows	6	43N	5E	5000
14C9A	I	Goat Lake	4	38N	13E	6600
15C6APR	I	Hemlock Butte	7	36N	7E	5500
15C8S	M	Hoodoo Basin	17	14N	27W	6000
15C1	M	Hoodoo Creek	16	14N	27W	5900
14D3	I	Kit Carson Pasture	4	27N	16E	5020
14C5M	I	Lolo Pass	16	38N	15E	5230
15B14AS	I	Lost Lake	16	43N	4E	6000
16D7	I	Lower Snowhaven	9	29N	3E	5300
15D6AP	I	Mountain Meadows	9	27N	10E	6300
14D1	M	Nez Perce Pass	25	1S	24W	6575
15D4S	I	Orogrande Mountain	24	27N	6E	7800
15C5	I	Pierce Ranger Station	2	36N	5E	3170
14C6	I	Powell Ranger Station	33	37N	14E	4230
14C4	I	Savage Pass	18	36N	15E	6600
15C4A	I	Shanghai Summit	7	37N	6E	4600
16D4	I	Upper Snowhaven	8&9	29N	3E	5600
		SALMON RIVER				
13E19MA	I	Above Gilmore	13	13N	26E	8200
13E21A	I	Aspen-Hall Pass	6	16N	28E	8110
15E2	I	Big Creek Summit	24	15N	5E	6600
16D6	I	Brundage Mountain	6	19N	3E	7560
13E17A	I	Copes Camp	36	18N	22E	7500
13D2	M	Gibbons Pass	4	2S	19W	7100
13D9	M	Gold Stone	11	8S	16W	8100
13E20A	I	Hall Creek	1	16N	27E	7560
13E24A	I	Leatherman Pass	20	9N	23E	9800
13E1	M	Lemhi Pass	9	10S	15W	7480
13E23	M	Lemhi Ridge	4	10S	15W	8100
13E18MA	I	Meadow Lake	24	13N	26E	9100
14E1MAP	I	Mill Creek Summit	8	13N	17E	8870
13D16	I	Moose Creek	22&26	27N	21E	6200
14E4	I	Morgan Creek	32	18N	19E	7580
14E2	I	Redfish Lake	3	9N	13E	6600
13E16A	I	Schwartz Lake	34	18N	22E	8500
13E2	M	Trail Creek	15	10S	15W	7090
14E3A	I	Twin Peaks	28	15N	17E	10300
14F4AP	I	Vienna Mine	32	6N	14E	8900
14D4	I	Williams Creek Summit	34	21N	20E	7800

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	1/27	23	5.3	1.8	6.0
Benton Spring	4900	1/27	49	14.8	20.1	13.8
#Mosquito Ridge (SP)	5110	2/1	--	23.5	34.0	--
Schweitzer Bowl	4500	1/30	80	27.1	32.5	22.6*
Schweitzer Ridge	6100	1/30	123	43.2	53.5	32.1*
SPOKANE RIVER						
Above Burke	4100	1/30	64	16.2	17.7	--
Fourth of July Summit	3100	1/30	45	9.8	7.3	6.8*
Lookout	5250	1/31	82	27.2	32.0	26.4
Mosquito Ridge (SP)	5110	2/1	--	23.5	34.0	--
Sherwin	3200	1/31	51	14.4	14.8	11.0*
Sherwin (SP)	3200	1/31	--	13.6	14.6	--
LOWER SNAKE RIVER BASIN						
CLEARWATER RIVER						
Cayuse Airstrip	3700	1/30	46	11.0	--	9.4*
Coolwater Mountain (SP)	6200	2/1	--	20.6	23.0	--
Cottonwood Butte	5140	1/29	42	10.7	11.5	--
Crater Meadows	6100	1/30	113	29.1	--	31.2*
Crooked Fork	3600	1/28	43	12.3	13.2	--
Fish Lake Airstrip	5000	1/30	98	27.4	40.3	28.0*
Hemlock Butte	5500	1/30	126	43.4	53.0	32.8*
Hemlock Butte (SP)	5500	2/1	--	38.8	--	--
#Hoodoo Basin Mont.	6000	1/28	108	34.6	46.0	37.9
#Hoodoo Creek Mont.	5900	1/28	103	31.3	41.9	35.5
Lolo Pass	5250	1/28	78	22.4	26.2	22.9*
Lower Snowhaven	5300	1/29	62	15.0	14.3	--
Orogrande Mountain (SP)	7800	2/1	--	35.7	40.2	--
Pierce Ranger Station	3170	1/31	42	11.9	10.8	8.4
Powell Ranger Station	3410	1/28	40	11.8	11.6	--
Savage Pass	6160	1/30	67	18.7	--	19.7*
Savage Pass (New)	6160	1/30	70	19.7	--	--
Shanghai Summit	4600	1/30	80	18.7	30.5	17.8*
Upper Snowhaven	5600	1/29	50	14.0	14.2	--
SALMON RIVER						
Big Creek Summit	6600	2/1	74	22.0	37.6	24.9
#Boulder Creek	5500	1/30	50	14.2	29.2	17.9*
Brundage Mountain	7560	1/29	78	24.6	44.0	34.7*
#Deadwood Summit	7000	2/6	103	29.2	52.2	33.9*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
#Galena Summit		8795	1/28	56	14.1	26.5	16.7
#Gibbons Pass	Mont.	7100	1/30	72	17.6	19.7	16.0
Mill Creek Summit		8870	1/30	53	13.9	23.9	17.8*
Moose Creek		6200	2/3	60	16.9	15.2	11.8
Morgan Creek		7580	1/29	43	9.8	11.9	10.5*
#Rock Flat Summit		5200	1/29	38	11.1	16.6	12.8
#Secesh Summit		6440	1/31	71	22.6	48.0	--
#Squaw Meadow		5800	1/31	72	22.5	45.5	25.0*
Vienna Mine		8900	2/5	89	23.5	41.1	25.4*

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LITTLE LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9A	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

BIG LOST RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13F3	I	Bear Canyon	26	5N	21E	7920
13F2A	I	Copper Basin	24	6N	21E	7650
13F8A	I	Fishpole Lake	28	4N	22E	9350
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
14F15A	I	North Fork Meadow	20	7N	18E	8150
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

BIG WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
15F9A	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

LITTLE WOOD RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
13F9A	I	Swede Peak	4	3N	21E	7500

FISH CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

BOISE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
14F10A	I	Couch Summit	9	2N	14E	6950
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	6	3N	9E	7780

CANYON CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
15F7	I	Bennett Mountain	7	2S	9E	6650
15F12A	I	Little Camas Flat	21	1S	9E	4950

PAYETTE RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8PS	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4AS	I	Deadwood Summit	23	14N	7E	7000
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6440
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

WEISER RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
16D1P	I	Boulder Creek	15	20N	1W	5500
16E2	I	Placer Creek	15&16	17N	3W	6000

MANN CREEK

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
16E9	I	Mann Creek	20	15N	5W	6080
16E8	I	Sturgill Ridge	21	15N	5W	6800
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 4/
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	1/28	16	2.3	3.8	3.8
Lost Garfield	6600	1/28	17	2.7	3.0	3.2
Moonshine	7450	1/28	29	5.4	7.8	8.0
Sawmill Canyon	6900	1/28	24	4.1	4.3	6.4
Wet Creek Summit	7600	1/29	20	3.0	9.6	8.8*
BIG LOST RIVER						
Bear Canyon	7920	1/27	25	5.5	19.3	--
Copper Basin	7650	1/27	11	2.2	7.9	7.3*
Dry Fork	7340	1/30	24	5.0	--	--
Fishpole Lake	9350	1/27	26	6.4	--	--
Iron Bog	7650	1/30	24	4.8	11.9	10.8*
Leadbelt	6800	1/30	17	3.0	4.1	7.6*
Lost-Wood Divide	7900	1/27	38	10.0	26.3	17.3*
Stickney Mill	7500	1/27	23	5.1	8.0	6.0*
White Knob	7700	1/31	21	4.5	7.9	6.7*
LITTLE WOOD RIVER						
#Bear Canyon	7920	1/27	25	5.5	19.3	--
Garfield Ranger Station	6554	1/30	19	4.1	7.8	7.9*
Muldoon	6300	1/30	17	3.0	4.6	6.2*
Swede Peak	7650	1/30	28	5.6	15.3	11.5*
BIG WOOD RIVER						
#Couch Summit	6950	1/29	31	7.9	--	13.8
Galena	7300	1/28	44	10.0	21.8	14.3
Galena Summit	8795	1/28	56	14.1	26.5	16.7
Graham Ranch	6200	1/28	26	6.0	13.4	10.0
#Lost-Wood Divide	7900	1/27	38	10.0	26.3	17.3*
Mascot Mine	7900	1/27	21	4.4	14.2	--
Mount Baldy	9000	1/30	38	9.0	21.3	14.6
Soldier Ranger Station	6100	1/29	17	4.6	12.4	9.9
#Vienna Mine	8900	2/5	89	23.5	41.1	25.4*
BOISE RIVER						
Atlanta Summit	7500	2/5	79	20.5	39.4	24.9
Atlanta Summit (SP)	7500	2/5	--	19.6	--	--
Bad Bear	5500	1/29	29	9.3	14.2	10.8*
#Bogus Basin	6120	1/30	48	17.2	21.7	17.3
Bogus Basin Road	5360	1/30	20	6.8	7.8	5.9
Couch Summit	6950	1/29	31	7.9	--	13.8

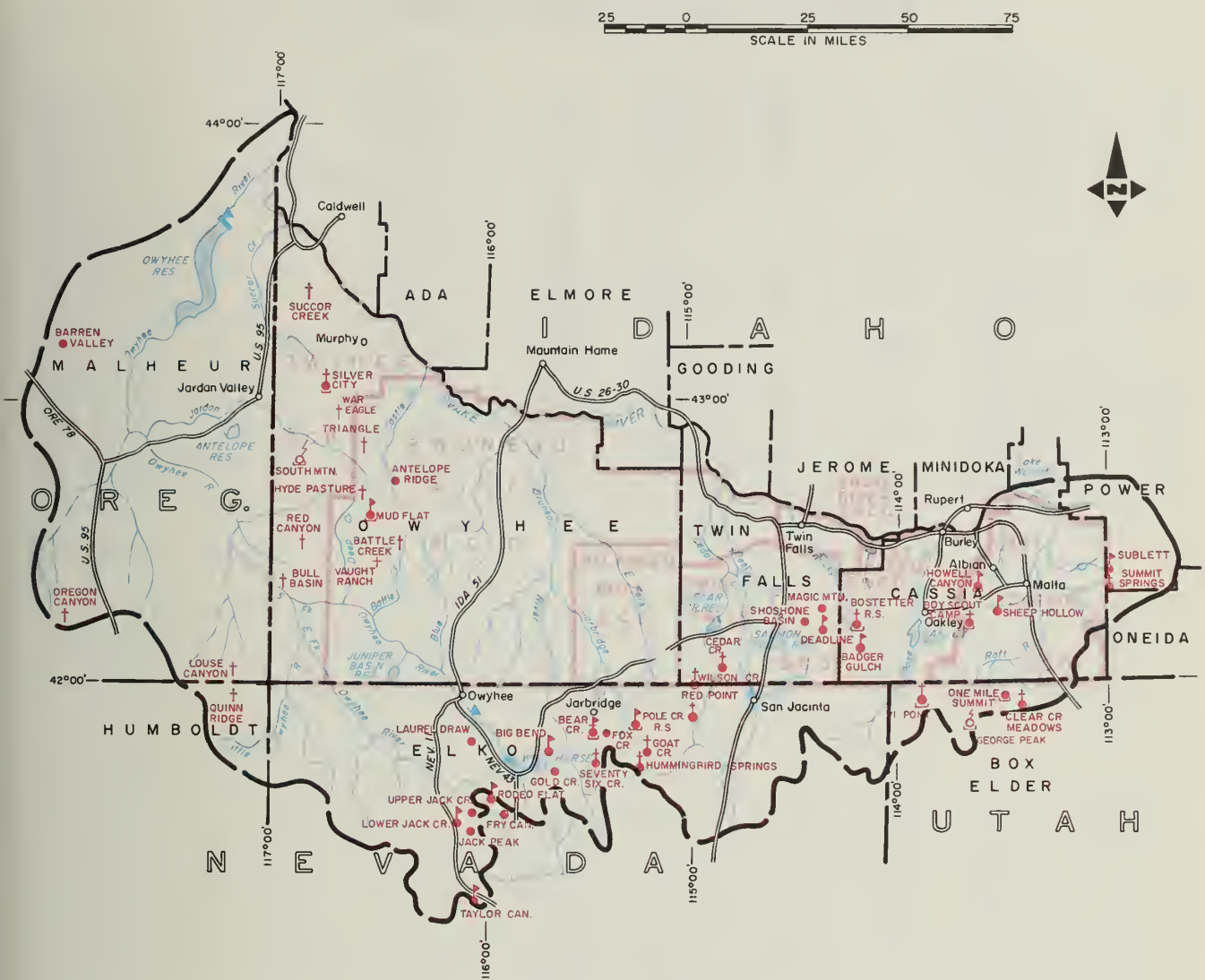
*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Goge snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
Moores Creek Summit	6100	1/29	64	18.4	27.9	23.4
Prairie	4900	1/30	18	5.0	5.7	5.5
#Soldier Ranger Station	6100	1/29	17	4.6	12.4	9.9
Trinity Mountain	7780	2/5	87	24.7	48.7	30.3
Trinity Mountain (SP)	7780	2/5	--	24.4	--	--
Trinity Mountain (R)	7780	2/5	--	23.9	--	--
#Vienna Mine	8900	2/5	89	23.5	41.1	25.4*
PAYETTE RIVER						
#Big Creek Summit	6600	2/1	74	22.0	37.6	24.9
Bogus Basin	6120	1/30	48	17.2	21.7	17.3
#Brundage Mountain	7560	1/29	78	24.6	44.0	34.7*
Cozy Cove (SP)	5900	2/6	--	7.2	--	--
Crawford Ranger Station	4800	2/1	23	6.4	8.0	6.8
Deadwood Airstrip	5440	2/6	45	11.9	13.8	11.6
Deadwood Summit	7000	2/6	103	29.2	52.2	33.9*
Deadwood Summit (SP)	7000	2/6	--	27.1	--	--
Lake Fork	6000	1/31	41	11.7	17.8	--
Rock Flat Summit	5200	1/29	38	11.1	16.6	12.8
Secesh Summit	6440	1/31	71	22.6	48.0	--
Squaw Meadow	5800	1/31	72	22.5	45.5	25.0*
WEISER RIVER						
Boulder Creek	5500	1/30	50	14.2	29.2	17.9*

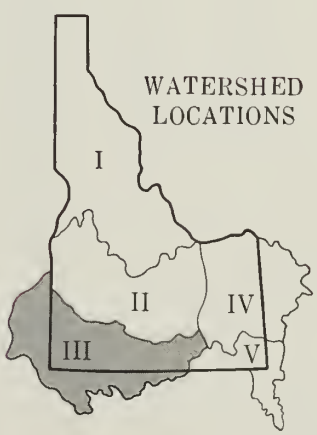
*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation ‖ater content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

MIDDLE SNAKE RIVER BASIN
SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry



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MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

NO.	STATE	NAME	SEC.	TWP. OR ANO	RGE. LONG.	ELEV.
			LAT.			
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13H4sp	U	George Peak	4	13N	14W	9000
13G1MP	I	Howell Canyon	2	13S	24E	8000
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	6400

GOOSE - TRAPPER CREEK

14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
13H3AP	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

14G5A	I	Cedar Creek	25	15S	13E	7000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14G2	I	Magic Mountain	14	14S	18E	6700
15H18A	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2A	I	Wilson Creek	24	16S	12E	7500

BRUNEAU RIVER

15H1MAP	N	Bear Creek	31	46N	58E	7800
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8950
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330

OWYHEE RIVER

16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	17S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
16G10a	I	Bull Basin	19	12S	5W	5600
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE¼ 31	8S	2W	5800
16H4	N	Jacks Peak	28	42N	53E	8420
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4A	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average (b)

MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER							
Howell Canyon		8000	1/29	48	16.6	28.6	17.4
SALMON FALLS CREEK							
#Bear Creek (A)	Nev.	7800	2/5	45	14.2	15.0	13.0
Cedar Creek (A)		7000	2/5	28	8.5	8.6	6.4
Deadline		6900	1/29	49	15.7	22.0	15.6
Goat Creek	Nev.	8800	1/29	38	11.4	13.5	11.4
#Hummingbird Spgs.(A)	Nev.	8945	2/5	59	18.8	15.9	14.4
Magic Mountain		6700	1/29	44	13.9	16.9	12.3
#Pole Creek R. S.	Nev.	8330	1/29	49	16.3	15.0	12.3
Red Point (A)	Nev.	7940	2/5	13	3.9	3.7	--
Shoshone Basin		5740	1/30	24	6.8	5.6	3.8*
Wilson Creek (A)		7500	2/5	27	8.1	8.9	--
BRUNEAU RIVER							
Bear Creek (A)	Nev.	7800	2/5	45	14.2	15.0	13.0
Hummingbird Springs(A)	Nev.	8945	2/5	59	18.8	15.9	14.4
Pole Creek R. S.	Nev.	8330	1/29	49	16.3	15.0	12.3
#Seventy-six Creek (A)	Nev.	7100	1/28	20	8.0	9.0	7.6
OWYHEE RIVER							
Battle Creek (A)		5700	1/22	12	3.8	7.3	2.8*
#Bear Creek (A)	Nev.	7800	2/5	45	14.2	15.0	13.0
Bull Basin (A)		5600	1/22	12	3.8	3.3	1.0*
Hyde Pasture (A)		5800	1/22	12	3.8	9.9	4.2
Red Canyon (A)		6650	1/22	24	7.7	9.9	5.4*
#Seventy-six Creek (A)	Nev.	7100	1/28	20	8.0	9.0	7.6
Silver City (A)		6400	1/22	30	9.6	12.6	11.1*
Silver City		6400	2/6	40	13.0	12.6	11.1*
South Mountain		6340	2/6	31	10.1	14.1	9.0
Succor Creek (A)		6100	1/22	13	4.2	4.0	4.2*
Vaught Ranch (A)		5950	1/22	17	5.4	7.3	2.8*
War Eagle (A)		7700	1/22	46	14.7	19.8	17.7*

*(b) 1958-72, 15 yeor period. #Not located directly on this drainage. * Estimoted 1958-72, 15 yeor Averoge. (A) Aeriol observotion Water content estimated. (SP) Pressure Pillow snow-woter equivalent. (R) Rodiooctive Goge snow-woter equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
UPPER SNAKE RIVER BASIN							
CAMAS-BEAVER CREEKS							
Camp Creek		6800	1/30	24	5.7	6.9	7.4
Kilgore		6200	2/3	38	7.9	8.3	7.9
HENRYS FORK RIVER							
Big Springs		6500	1/30	42	10.5	18.2	14.4
Black Canyon		7850	1/27	68	18.0	28.5	24.3*
Black Moose		8130	1/27	68	20.7	35.7	25.4*
Grassy Lake	Wyo.	7230	1/31	74	21.8	30.8	23.2
Island Park		6315	1/30	41	9.2	13.3	11.6
Latham Springs		7650	1/27	62	17.0	28.0	24.0*
Lucky Dog		6900	1/27	51	13.0	21.5	18.0*
Sawtell Mountain		8720	1/30	50	12.9	31.0	26.1*
Targhee Pass		7000	1/30	33	6.9	8.7	--
Valley View		6500	1/30	33	7.7	10.2	12.3
White Elephant		7700	1/30	41	10.0	23.5	--
TETON RIVER							
Darby Canyon	Wyo.	8250	1/27	52	13.1	19.3	--
Freds Mountain	Wyo.	8150	1/27	54	13.2	21.5	--
Garns Mountain		8300	1/27	67	19.6	31.2	--
Indian Meadows	Wyo.	8240	1/27	69	19.0	--	--
Jackpine Creek	Wyo.	7350	1/27	51	13.3	19.2	--
McRenolds Reservoir		6800	1/27	54	12.6	16.5	--
Miles Creek	Wyo.	7300	1/27	36	8.0	11.1	--
Phillips Bench	Wyo.	8200	1/30	57	16.7	27.1	--
Pine Creek Pass		6750	1/27	41	10.0	14.7	11.5*
State Line		6650	1/27	36	8.3	11.0	9.9
Teton Pass W.S.	Wyo.	8400	1/30	48	13.8	25.9	--
WILLOW CREEK							
Aspen Grove		6600	1/29	32	8.2	11.5	8.1*
Birch Creek		6800	1/29	26	5.7	11.5	7.5*
Blue Ridge		6800	1/29	39	10.7	--	--
Bone		6200	1/29	14	3.4	6.6	6.2*
Brockman Station		6430	1/29	24	5.4	--	--
Hell Creek		7100	1/29	32	7.9	--	--
Mud Creek		7150	1/29	38	10.4	--	--
Sheep Mountain		6510	1/29	26	5.6	11.6	10.0*
Tex Creek		6550	1/29	28	5.6	7.8	6.2*
SAND CREEK							
Henry Creek		5650	1/29	18	4.3	3.8	3.1*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

UPPER SNAKE RIVER BASIN

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

WATERSHED LOCATIONS

INDEX to SNOW COURSES

UPPER SNAKE RIVER BASIN

SNAKE RIVER - WYOMING

NO	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE.	ELEV.
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530

HENRYS FORK RIVER

11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E32	I	Sawtell Mountain	7	14N	43E	8720
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500
11E36	I	White Elephant	17	14N	43E	7700

TETON RIVER

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE.	ELEV.
10F21A	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8150
11F13	I	Garns Mountain	20	4N	44E	8300
10F25	Wy	Indian Meadows	31	46N	117W	8240
10F26	Wy	Jackpine Creek	15	46N	118W	7350
11F12	I	McRenolds Reservoir	5	7N	46E	6800
10F27	Wy	Miles Creek	13	44N	118W	7300
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6650
10F13M	Wy	Teton Pass W. S.	24	41N	118W	8400

CAMAS - BEAVER CREEK

11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200

MEDICINE LODGE CREEK

12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700

WILLOW CREEK

11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F17	I	Blue Ridge	35	2S	39E	6800
11F8	I	Bone	29	1S	40E	6200
11F16	I	Brockman Station	19	2S	43E	6430
11F15	I	Hell Creek	27	1S	42E	7100
11F14	I	Mud Creek	3	2S	39E	7150
11F4	I	Ozone	14	1N	39E	5800
11F11	I	Sheep Mountain	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700

SAND CREEK

11F6	I	Henry Creek	7	1S	39E	5650

BLACKFOOT RIVER

11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000

PORTNEUF RIVER

12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (exomple)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
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10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
BLACKFOOT RIVER						
Austin Bros. Ranch	6400	1/30	21	5.0	7.0	6.0
Slug Creek Divide	7230	1/27	40	11.6	10.7	11.5*
Somsen Ranch	7000	1/30	34	10.5	11.5	9.2
PORTNEUF RIVER						
Dempsey Creek	6280	1/27	33	9.7	9.1	7.9
Lower Pebble	5800	1/27	22	6.7	10.8	9.3*
Mink Creek	6400	1/27	48	14.1	15.7	11.6*
Pebble Creek	6550	1/27	32	10.5	14.4	11.0

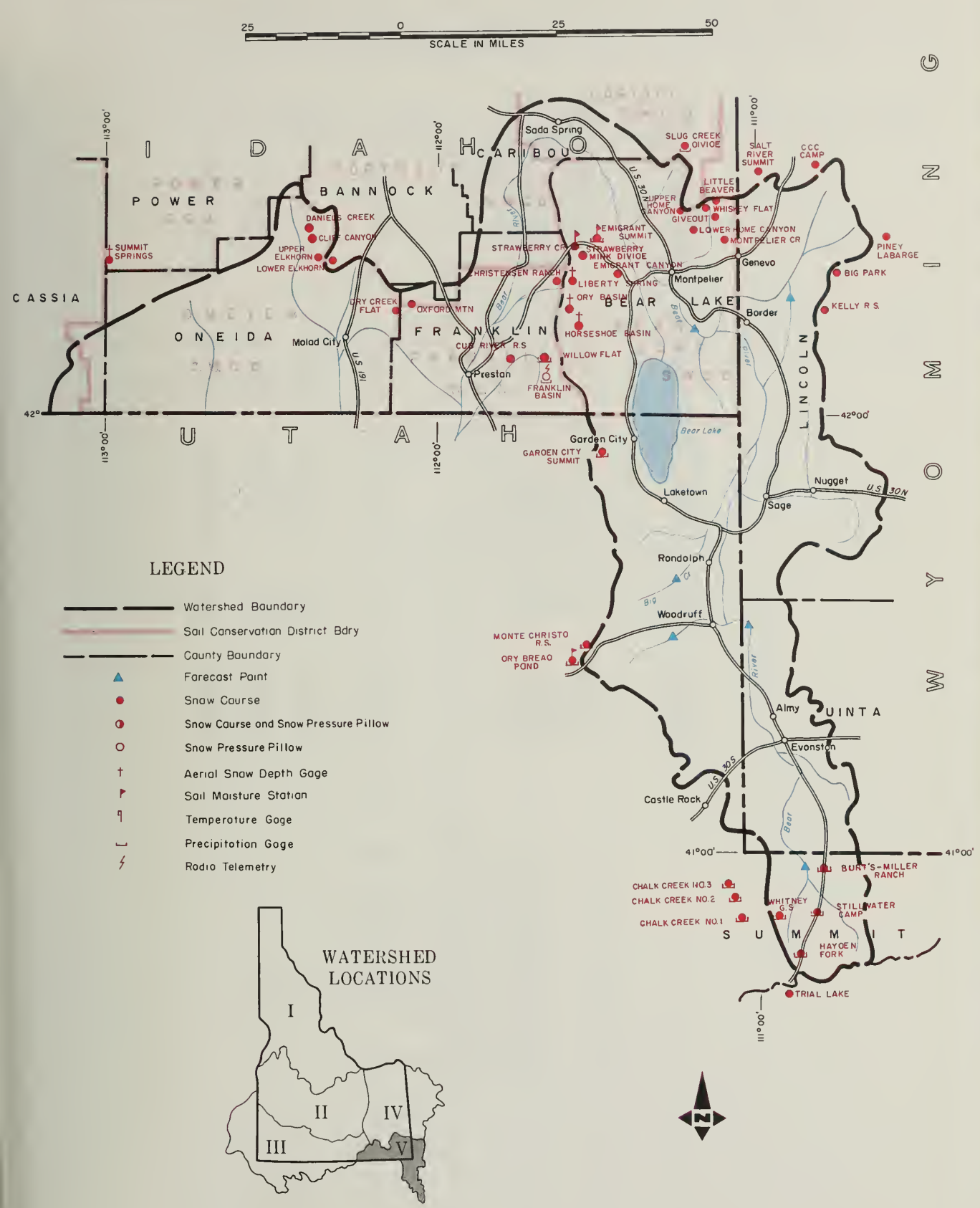
*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average (b)
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	1/29	50	16.5	21.6	17.0*
Emigration Canyon	6500	1/29	27	7.8	8.2	7.8*
Montpelier Creek						
Giveout	6840	1/27	29	7.4	9.6	8.7*
Little Beaver	6970	1/27	35	9.8	10.8	10.9*
Lower Home Canyon	7500	1/27	37	9.2	11.2	--
Montpelier Creek	6570	1/27	20	4.8	6.7	6.0*
Upper Home Canyon	8500	1/27	54	15.3	16.6	--
Whiskey Flat	6985	1/27	17	4.8	6.5	6.9*
Mink Creek						
Christensen Ranch	5600	1/28	24	6.7	8.7	5.9
Dry Basin	7900	1/28	56	18.1	24.0	20.9*
#Emigrant Summit	7350	1/29	50	16.5	21.6	17.0*
Horseshoe Basin	8000	1/28	48	16.7	20.8	17.3*
Liberty Spring	8600	1/28	69	23.7	30.6	22.6*
Strawberry Creek	5800	1/29	27	7.8	10.1	7.2
Strawberry Mink Divide	6800	1/28	45	14.7	17.9	14.4
Cub River						
Cub River R. S.	5400	1/28	29	8.2	9.8	5.8
#Franklin Basin	8000	1/28	52	17.5	--	--
Willow Flat	6100	1/28	38	11.9	14.9	10.5
MALAD RIVER						
Cliff Canyon	7200	1/27	22	6.8	7.0	--
Daniels Creek	6400	1/27	19	4.9	5.6	--
Dry Creek Flat	6480	1/27	23	6.9	9.0	5.3
Lower Elkhorn	7000	1/27	29	9.3	11.0	9.8*
Oxford Mountain	6800	1/27	25	6.9	8.2	6.9*
Upper Elkhorn	7100	1/27	37	11.2	13.5	12.0*

*(b) 1958-72, 15 year period. #Nat located directly an this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

GREAT BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
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INDEX to SNOW COURSES

GREAT BASIN

NO.	STATE	NAME	SEC. / LAT.	TWP. OR ANO	RGE. / LONG.	ELEV.
		BEAR RIVER				
10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt'a-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300
		MONTPELIER CREEK				
11G16	I	Giveout	2	12S	45E	6840
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985
		MINK CREEK				
11G11	I	Christensen Ranch	27	13S	41E	5600
11G14A	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15A	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800
		CUB RIVER				
11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100
		MALAD RIVER				
12G13	I	Cliff Canyon	13	12S	35E	7200
12G12	I	Daniels Creek	11	12S	35E	6400
12G4	I	Dry Creek Flat	28	13S	37E	6480
12G11	I	Lower Elkhorn	30	12S	36E	7000
12G3	I	Oxford Mountain	27	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
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10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	1/30	9.6	10.3	10.4
Lookout	5250	48	11.0	1/30	7.4	8.6	7.8
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	1/30	Frozen	--	3.3
RAFT RIVER							
Conner Pass	5700	36	9.8	1/29	8.5	8.8	--
Howell Canyon	8000	48	11.5	1/29	5.5*	8.7	8.8
SALMON FALLS CREEK							
Deadline	6900	36	7.4	1/30	5.6	6.7	--
Pole Creek R. S.	8330	48	9.7	1/29	6.9	8.0	7.9
HENRYS FORK RIVER							
Island Park	6315	48	9.9	1/30	7.5	10.6	8.4

*Partially Frozen

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Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Stotes:

Idaho Deportment of Water Resources
Stote of Idoho Deportment of Fish and Game
University of Idaho
Idaho State University
Montana Agriculturol Experiment Stotion
Montona State Water Conservation Boord
Montono Cooperotive Snow Surveys
Nevado Cooperotive Snow Surveys
Oregon Agriculturol Experiment Stotion
Oregon Cooperotive Snow Surveys
Oregon State Engineer and Corps of
Stote Watermosters
Utoh Cooperotive Snow Surveys
Wyoming Cooperotive Snow Surveys

Federol:

U.S. Army Engineers

U.S. Department of Agriculture
Forest Service
Agriculture Research Service

U.S. Department of Commerce
NOAA, Notionol Weother Service

U.S. Deportment of the Interior
Banneville Power Administration
Bureou of Reclomotion
Fish ond Wildlife Service
Water Resources Division, Geological Survey
Notionol Park Service
Bureau of Land Manogement

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Boise Project Boord af Control
Idoho Woter District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Solmon Falls Creek Irrigation Company
Twin Falls Sail Conservotion District
Big Wood Irrigation Compony
Owyhee Project - North & South Boord af Cantrol

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
MAR. 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.
SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
WASHINGTON, D C.

Released by

GUY W. NUTT
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SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

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DEPARTMENT OF WATER RESOURCES
STATE OF IDAHO

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BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR MARCH 1, 1975

Snowfall during February was above average throughout Idaho except on the watersheds of the Clearwater and Spokane Rivers. On these drainages, however, the snowpack is normal for this time of year. Snow-water equivalent improved substantially on all other watersheds and varies from a low of 85% of normal on the Big Lost River to 159% on the Owyhee River. Two small drainages, the Palouse River and Priest River, are very high with 158% and 148% of average respectively.

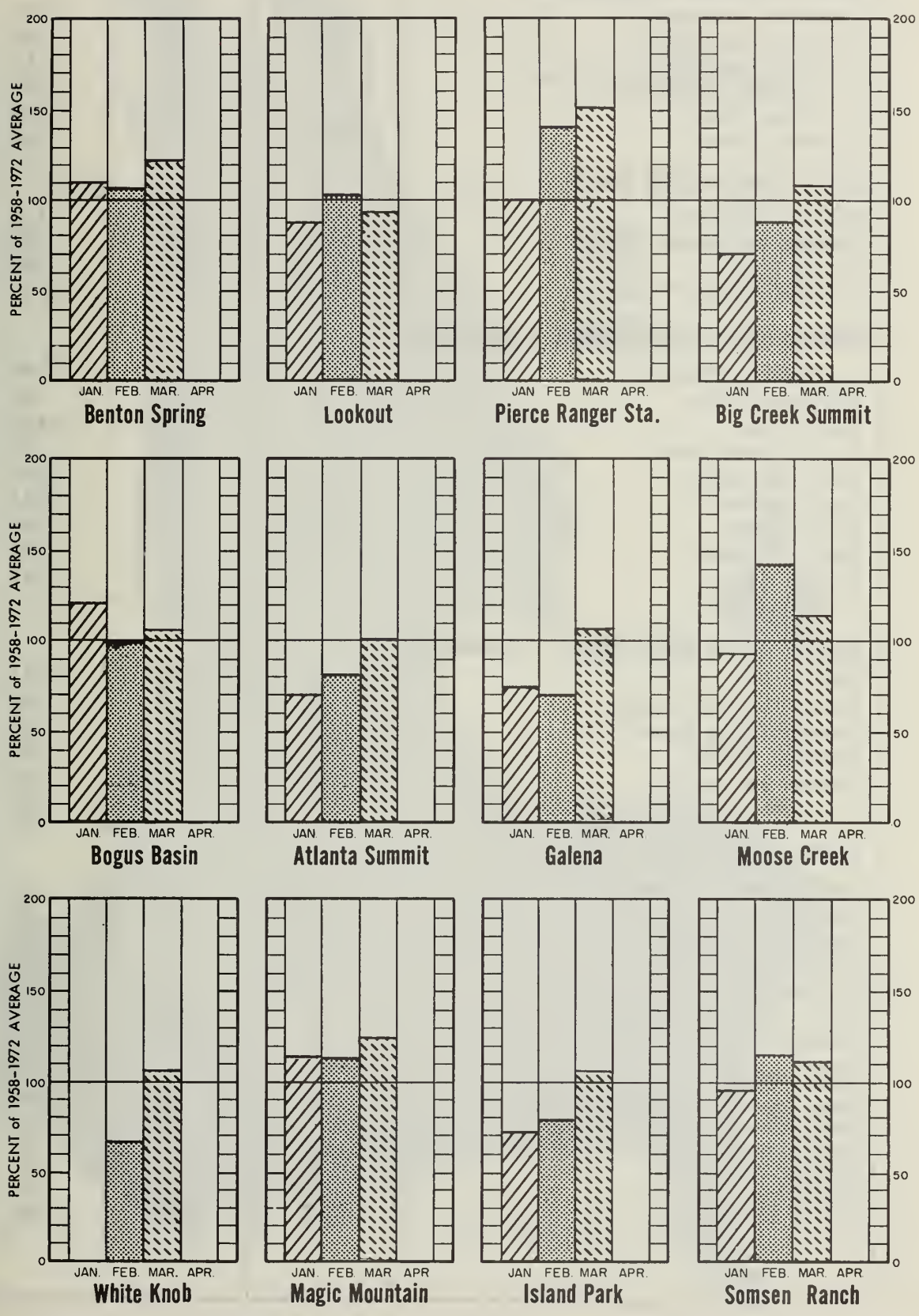
Streamflow forecasts for the April through September season vary from 76 percent of normal for the Big Lost River near Mackay to 120 percent for the Cub River near Preston. Most of the major rivers are forecast to flow near normal during the 1975 runoff season. Water supplies are expected to be adequate throughout the state with the possible exception of some small southern Idaho streams without storage facilities.

Soil moisture in general is well below normal. Drought conditions from May to November in 1974 left the soil mantle extremely dry at the start of the winter season. Snow has accumulated on these dry soils and will lose potential runoff volumes to soil priming when the snow begins to melt in the spring.

Carryover storage is good to excellent. Storage as of March 1 in total for fifteen selected irrigation reservoirs was 119% of average.

Valley precipitation during the winter period from November 1974 through February 1975 was below normal on the Owyhee and Upper Snake drainage divisions, near normal on the Snake River Plain and Salmon-Payette-Boise division, and above average on the Clearwater and all other northern divisions of the state. February was an exceptionally wet month, with precipitation within the Boise River District generally in the range of 150% to 200% of normal. An exception was the Clearwater Basin which had about 120% of normal for the month. Boise had the greatest February precipitation since 1930, while Pocatello recorded the wettest February since 1940. Most of the precipitation fell between February 8-13, and fell as rain below elevations of about 6,000 feet.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1958-1972 15 Yr. Average



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	26	82	108
Pend Oreille River	71	85	107
Clark ForkRiver	50	89	110
Flathead River	21	79	103
Priest River	4	94	148
Spokane River	11-12	63	100
LOWER SNAKE RIVER BASIN			
Palouse River	5	85	158
Clearwater River	16-20	72	99
Salmon River	22-24	72	103
Lemhi River	6	71	92
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	96	88
Big Lost River	7	73	85
Fish Creek	2	101	110
Little Wood River	4	79	88
Big Wood River	10-11	69	96
Canyon Creek	1-2	71	111
Boise River	13-14	71	104
Payette River	13-14	75	109
Weiser River	2	74	112
Mann Creek	4	83	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	79	111
Goose-Trapper Creeks	3	75	109
Salmon Falls Creek	11	98	118
Bruneau River	5	114	131
Owyhee River	5	104	159
Jordan Creek	2	95	123
UPPER SNAKE RIVER BASIN			
Snake Basin - Wyoming	21-22	82	92
Camas-Beaver Creeks	2	128	120
Henrys Fork River	10-11	78	95
Teton River	2-11	76	109
Willow-Sand Creeks	6-10	86	107
Blackfoot River	3	102	109
Portneuf River	4	98	121
GREAT BASIN			
Bear River - Upper - Utah	7	93	97
Bear River - Lower - Idaho	14-17	87	107
Montpelier Creek	4-6	96	101
Mink Creek	7	83	105
Cub River	2-3	83	129
Malad River	4-6	102	120

SNOW WATER DEPTHS

As percent of 1958-72 15 year average

MARCH 1, 1975

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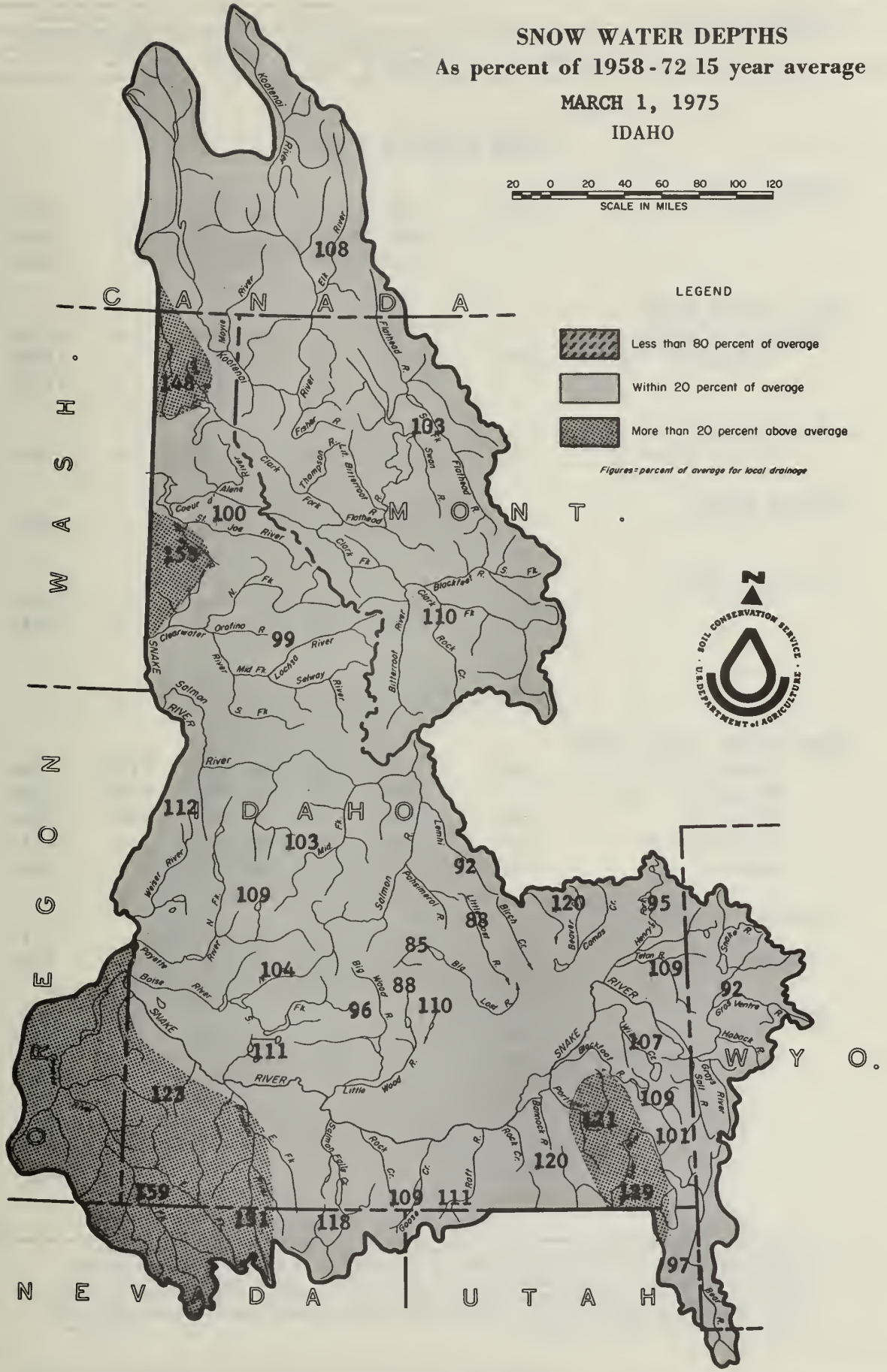

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	9050	100	Apr-Sep	--	9073
		7950	100	Apr-Jul	--	7957
		6400	100	Apr-Jun	--	6431
PEND OREILLE RIVER						
Clark Fork River		13700	97	Apr-Sep	--	14336
Whitehorse Rapids	(at)	12470	97	Apr-Jul	--	13086
		10800	97	Apr-Jun	--	11325
Priest River						
Priest River 1/	(nr)	1050	119	Apr-Jul	--	879
SPOKANE RIVER						
Post Falls 2/	(at)	3250	108	Apr-Sep	--	3008
St. Joe River						
Calder	(at)	1450	108	Apr-Sep	--	1345
		1380	108	Apr-Jul	--	1277
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(nr)	780	91	Apr-Sep	1153	858
Palisades Inflow 3/		3240	87	Apr-Sep	5295	3714
Heise 4/	(nr)	3500	89	Apr-Sep	5381	3946
Blackfoot 5/	(nr)	3750	90	Apr-Jul	--	4173
Weiser	(at)	5480	84	Apr-Sep	--	6524
Henrys Fork						
Ashton 6/	(nr)	660	98	Apr-Sep	--	671
Rexburg 7/	(nr)	1360	100	Apr-Sep	--	1364
Teton River						
St. Anthony	(nr)	450	102	Apr-Sep	--	442

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg. + 1958-1972 period.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MARCH 1, 1975

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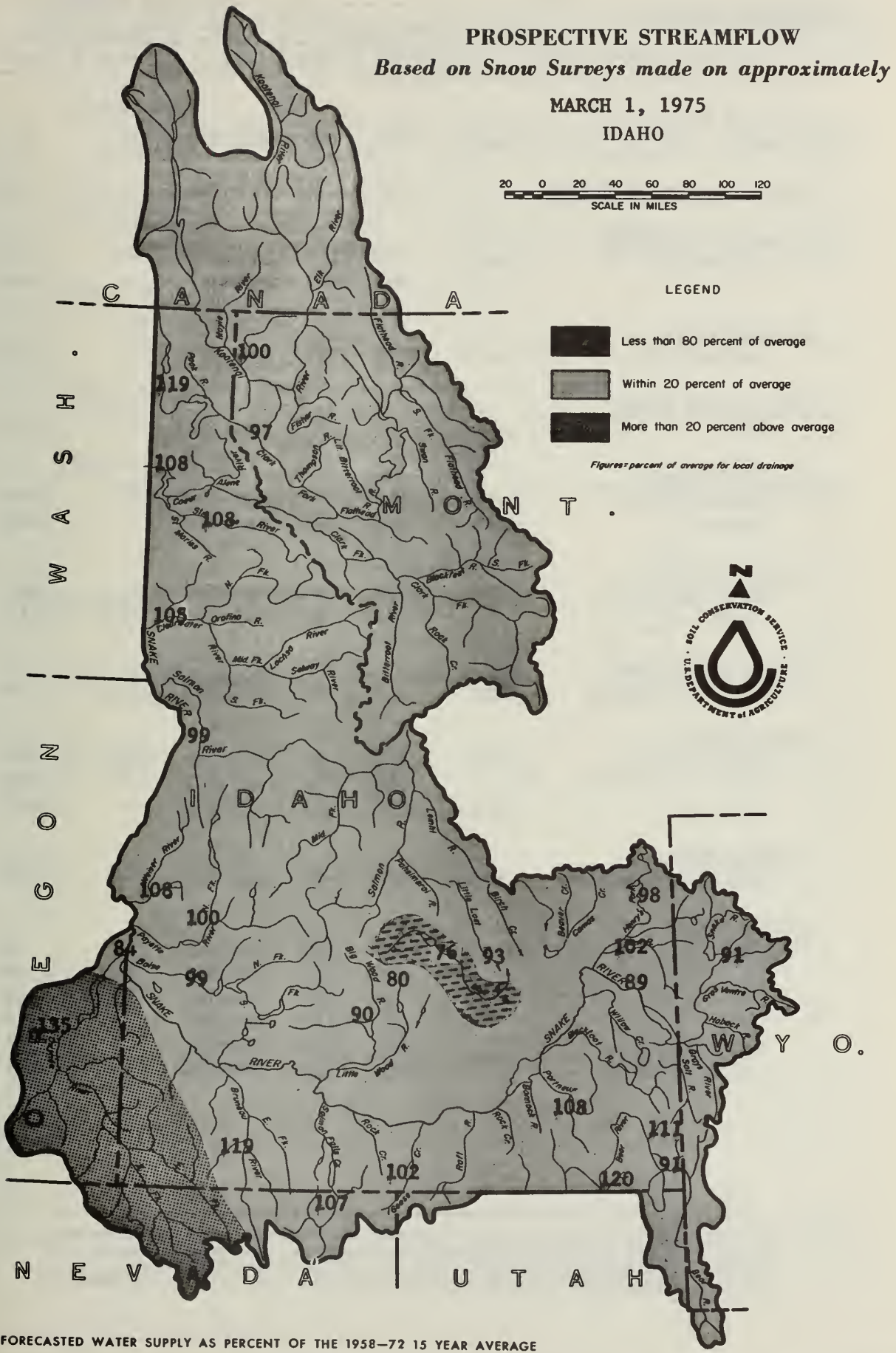


FORECASTED WATER SUPPLY AS PERCENT OF THE 1958—72 15 YEAR AVERAGE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST [c] Thousand Acre Feet	THIS YEAR FORECAST [c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [+]
Portneuf River						
Topaz	(at)	100	108	Mar-Sep	--	93
Oakley Reservoir Inflow		30	102	Mar-Sep	--	29.5
Salmon Falls Creek						
San Jacinto	(nr)	90	107	Mar-Sep	--	84
		86	107	Mar-Jul	--	80
Bruneau River						
Hot Springs	(nr)	270	119	Mar-Sep	--	226
Little Lost River						
Howe	(nr)	38	93	Apr-Sep	--	41
Big Lost River						
Howell Ranch	(at)	165	79	Apr-Sep	--	208
Mackay 1/	(nr)	140	76	Apr-Sep	--	183
Big Wood River						
Magic Reservoir		270	90	Apr-Sep	--	301
Inflow 2/		280	90	Mar-Jul	--	310
Little Wood River						
High Five Creek	(ab)	75	80	Apr-Sep	--	94
Boise River						
Twin Springs	(nr)	715	99	Apr-Sep	--	720
		665	100	Apr-Jul	--	665
Boise 3/	(nr)	1600	99	Apr-Sep	--	1612
South Fork						
Anderson Dam 4/	(at)	600	99	Apr-Sep	--	603
Owyhee River						
Gold Cr., Nev. 5/	(nr)	25	139	Apr-Jul	--	18
		30	130	Mar-Jul	--	23
Owyhee, Nev. 5/	(nr)	90	132	Apr-Jul	--	68
		103	127	Mar-Jul	--	81
Lake Owyhee		448	135	Apr-Sep	--	332
net inflow 6/		560	130	Mar-Jul	--	431

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

+ 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	1850	100	Apr-Sep	--	1850
Banks 2/	(nr)	1000	101	Apr-Jul	--	993
North Fork						
Cascade 3/	(at)	570	101	Apr-Sep	--	562
Banks 3/	(nr)	735	101	Apr-Sep	--	730
Weiser River						
Weiser ab. Crane Creek 4/		550	108	Mar-Sep	--	511
Salmon River						
Whitebird	(at)	6900	99	Apr-Sep	--	6959
Clearwater River						
Spalding	(at)	8950	105	Apr-Sep	--	8514
GREAT BASIN						
BEAR RIVER						
Harer	(at)	269	91	Apr-Sep	--	297
Montpelier Creek						
Montpelier	(nr)	13.8	111	Apr-Sep	--	12.4
Cub River						
Preston	(nr)	60	120	Apr-Sep	--	50.0

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

RESERVOIR STORAGE (1,000 Ac. Ft.)

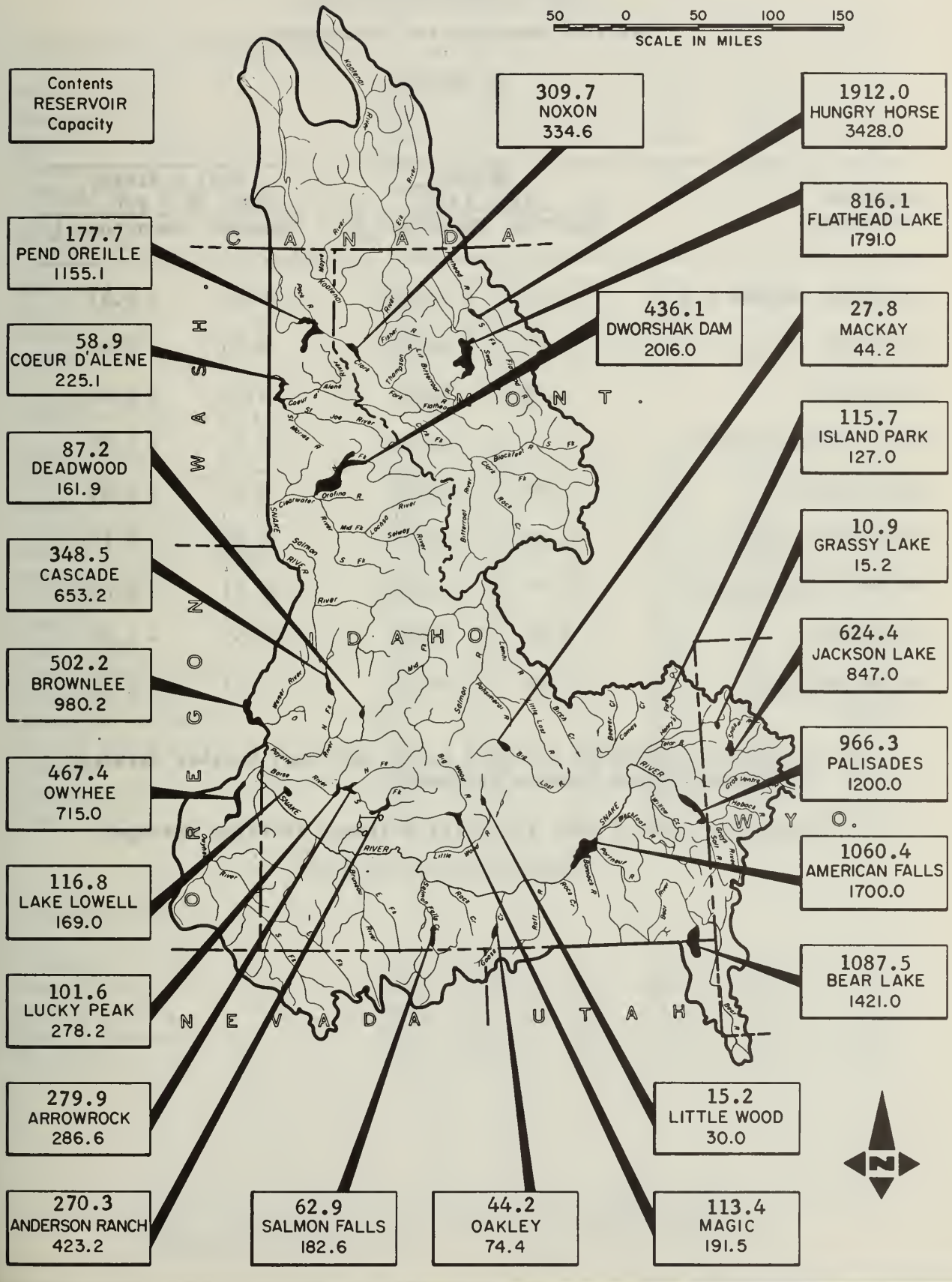
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1912.0	2211.0	2329.0
Flathead	1791.0	816.1	1221.0	1009.0
Pend Oreille	1155.1	177.7	590.4	457.0
Noxon	334.6	309.7	301.4	300.6
Spokane				
Coeur d'Alene	225.1	58.9	127.9	162.3
SNAKE BASIN				
Snake				
Jackson Lake	847.0	624.4	651.1	533.3
Palisades	1200.0	966.3	942.8	809.0
American Falls	1125.0	1060.4	1044.9	789.1
Island Park	127.0	115.7	113.6	113.5
Grassy Lake	15.2	10.9	10.7	10.3
Brownlee	980.2	502.2	523.7	451.1*
Goose-Trapper Creeks				
Oakley	74.4	44.2	44.2	19.3
Salmon Falls Creek				
Salmon Falls	182.6	62.9	76.0	34.5
Big Lost				
Mackay	44.2	27.8	26.7	31.9
Big Wood				
Magic	191.5	113.4	63.4	103.5
Little Wood				
Little Wood	30.0	15.2	14.3	15.5
Fish Creek				
Carey Valley	14.4	5.3	5.7	--
Boise				
Anderson Ranch	423.2	270.3	176.3	237.6
Arrowrock	286.6	279.9	266.3	247.9
Lucky Peak	278.2	101.6	70.9	89.2
Lake Lowell (Deer Flat)	169.0	116.8	148.7	132.0
Owyhee				
Owyhee	715.0	467.4	536.5	451.2
Payette				
Cascade	653.2	348.5	348.1	325.9
Deadwood	161.9	87.2	38.7	78.8
Weiser				
Mann Creek	11.1	3.8	7.7	--
Clearwater				
Dworshak	2016.0	436.1	1663.8	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1087.5	1089.6	958.3

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MARCH 1, 1975



VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter Feb. 1975		Fall - Winter Nov. 74 - Feb. 75	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U.S.	3.75	+1.73	16.58	+ 4.31
Flathead	2.07	+0.27	8.93	- 0.60
Clark Fork	1.12	+0.37	4.16	- 0.04
Pend Oreille-Spokane	4.10	+1.02	18.74	+ 2.73
Upper Snake	2.89	+0.84	8.08	- 0.51
Snake River Plain	1.42	+0.66	4.02	- 0.12
Salmon-Payette-Boise	3.59	+1.76	10.21	- 0.07
Clearwater	2.98	+0.49	14.55	+ 1.74
Owyhee-Malheur	1.56	+0.68	4.47	- 0.30

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-72) drainage division average.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
UPPER COLUMBIA RIVER BASIN						
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	2/25	31	8.6	4.0	6.1
Benton Spring	4900	2/25	68	21.4	28.9	17.4
#Mosquito Ridge (A)	5110	2/25	108	36.0	54.4	34.7*
Schweitzer Bowl	4500	2/28	106	45.6	49.5	27.8*
Schweitzer Ridge	6100	2/28	154	60.2	61.5	39.9*
HAYDEN LAKE						
Chilco Ridge	3650	2/26	38	11.6	10.9	--
Conie Ridge	3900	2/26	40	11.9	--	--
Corner Creek	3150	2/26	37	11.6	6.9	--
Sage Creek Saddle	4100	2/26	65	17.5	30.0	--
SPOKANE RIVER						
Above Burke	4100	2/28	83	25.9	27.0	--
Above Burke (SP)	4100	2/28	--	23.7	25.7	--
Copper Ridge	4800	2/27	87	28.7	45.1	25.7
#Forty-nine Meadows	5000	2/26	95	25.8	47.2	28.4*
Fourth of July Summit	3100	2/28	45	14.6	14.2	7.3*
Granite Peak	6000	2/26	124	34.4	64.4	37.7*
Kellogg Peak	5560	2/25	87	29.8	41.4	--
Lookout	5250	2/28	111	30.4	43.4	32.4
#Lost Lake	6000	2/26	145	45.6	--	51.3*
Lower Sands Creek	3400	2/27	61	18.5	26.8	17.5
Medicine Ridge	6150	2/26	125	35.8	61.6	38.5*
Mosquito Ridge (A)	5110	2/25	108	36.0	54.4	34.7*
Roland Summit (A)	5200	2/25	92	31.0	54.1	31.3*
Sherwin	3200	2/28	59	19.2	20.2	13.8*
Sherwin (SP)	3200	2/28	--	19.6	19.4	--
Sunset (A)	5600	2/25	118	30.7	--	33.7*
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	2/24	45	13.5	14.1	7.8*
East Twin	4050	2/24	46	14.9	17.0	11.1
Howard Creek	3450	2/24	36	10.2	10.1	4.5*
Moscow Mountain	4400	2/24	69	21.7	27.9	15.3
West Twin	4250	2/24	48	15.6	20.1	9.4

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average 6
CLEARWATER RIVER						
Cayuse Airstrip	3700	2/25	51	13.6	16.7	11.7
Coolwater Mountain (SP)	6200	2/28	--	24.6	30.7	--
Cottonwood Butte	5140	2/27	43	12.7	13.5	--
Crater Meadows	6100	2/25	122	37.8	46.8	40.9*
Crooked Fork	3600	2/27	49	16.1	16.9	12.9*
Elk Butte	5550	2/26	112	33.3	61.2	35.0*
Fish Lake Airstrip	5000	2/25	123	35.3	50.8	37.3
Forty-nine Meadows	5000	2/26	95	25.8	47.2	28.4*
Goat Lake	6600	2/25	126	38.6	58.6	43.8*
#Granite Peak	6000	2/26	124	34.4	64.4	37.7*
Hemlock Butte	5500	2/25	142	42.8	61.8	42.8*
#Hoodoo Basin Mont.	6000	2/26	126	46.9	63.4	46.1
#Hoodoo Basin (SP) Mont.	6000	2/24	--	42.6	--	--
#Hoodoo Creek Mont.	5900	2/26	122	43.5	58.6	43.2
Lolo Pass	5250	2/27	85	28.7	36.3	28.5
Lost Lake	6000	2/26	145	45.6	--	51.3*
Lower Snowhaven	5300	2/27	62	18.7	19.6	--
#Medicine Ridge	6150	2/26	125	35.8	61.6	38.5*
#Nez Perce Pass Mont.	6575	2/23	60	21.1	19.3	14.3
Orogrande Mountain (SP)	7800	2/28	--	44.8	45.0	--
Pierce Ranger Station	3170	2/28	49	15.7	17.0	10.3
Powell Ranger Station	3410	2/27	48	15.7	16.4	12.6*
Savage Pass	6160	2/26	72	24.0	27.2	20.5
Savage Pass (New)	6160	2/26	76	24.2	26.9	--
Shanghai Summit	4600	2/25	94	26.6	37.5	24.5*
Upper Snowhaven	5600	2/27	53	17.5	20.5	--
SALMON RIVER						
Big Creek Summit	6600	3/1	100	34.1	47.2	31.4
#Boulder Creek	5500	2/27	74	24.4	33.6	21.8*
Brundage Mountain	7560	2/27	111	40.2	56.2	42.2*
#Deadwood Summit	7000	3/3	114	39.9	64.5	40.4*
#Deadwood Summit (SP)	7000	3/3	--	40.8	--	--
#Galena Summit	8795	2/25	76	21.6	30.7	20.6
#Gibbons Pass Mont.	7100	2/25	74	24.9	28.5	20.5
#Lemhi Pass Mont.	7480	2/23	35	9.8	7.5	7.9
#Lemhi Ridge Mont.	8100	2/23	41	11.3	10.1	8.9
Mill Creek Summit	8870	2/25	60	19.2	31.6	20.3*
Moose Creek	6200	2/27	61	17.2	19.8	15.2
Morgan Creek	7580	2/27	50	14.8	17.0	12.6*
Redfish Lake	6600	2/27	30	7.7	9.8	8.7*
#Rock Flat Summit	5200	2/27	58	17.3	21.6	16.2
#Secesh Summit	6440	2/28	93	34.2	50.6	--
#Squaw Meadow	5800	2/28	95	34.8	51.4	31.1*
Twin Peaks (A)	10300	2/25	69	22.1	32.6	--
Vienna Mine	8900	2/27	91	29.9	46.2	32.2
Williams Creek Summit	7800	2/28	36	11.4	13.1	11.0

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
Lemhi River						
Above Gilmore	8200	2/26	26	6.0	11.1	8.6*
Aspen-Hall Pass (A)	8110	2/26	36	9.1	11.9	7.7*
Copes Camp	7500	2/26	29	6.9	8.5	6.6*
Hall Creek	7560	2/26	21	4.5	6.4	4.8*
Meadow Lake	9100	2/26	46	14.1	22.3	17.1*
Schwartz Lake	8500	2/26	39	11.0	12.6	11.0*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aeriol observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radiooctive Goge snow-water equivolent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	2/25	21	4.5	4.8	4.5
Lost Garfield	6600	2/25	22	4.3	4.0	3.8
Moonshine	7450	2/25	37	9.0	8.4	9.8
Sawmill Canyon	6900	2/25	30	6.6	4.8	7.4
Wet Creek Summit	7600	2/26	34	7.6	11.2	10.9
BIG LOST RIVER						
Bear Canyon	7920	2/27	46	12.2	20.9	16.3
Copper Basin	7650	2/27	26	7.2	9.6	8.6
Dry Fork	7340	2/27	46	13.0	--	--
Fishpole Lake	9350	2/27	48	14.0	--	--
Iron Bog	7650	2/27	41	10.4	12.7	13.8*
Leadbelt	6800	2/27	32	7.1	6.6	9.0*
Lost-Wood Divide	7900	2/27	60	17.5	28.7	20.5*
Stickney Mill	7500	2/27	34	8.6	9.2	8.4
White Knob	7700	2/28	32	9.0	10.4	8.4*
FISH CREEK						
Iron Mine Creek	6370	2/24	40	10.2	10.5	9.7
Telfer Ranch	6000	2/24	37	8.9	8.4	7.7
LITTLE WOOD RIVER						
#Bear Canyon	7920	2/27	46	12.2	20.9	16.3
Garfield Ranger Station	6554	2/26	39	10.0	10.4	10.0
Muldoon	6300	2/26	32	7.6	5.6	7.8
Swede Peak	7650	2/26	51	13.8	18.3	15.4
BIG WOOD RIVER						
Camas Creeks Divide	5720	3/3	35	11.2	16.1	--
#Couch Summit	6950	2/28	59	16.8	22.6	16.9*
Dollarhide Summit	8620	2/27	68	19.9	30.1	20.7
Galena	7300	2/25	62	18.4	24.5	17.2
Galena Summit	8795	2/25	76	21.6	30.7	20.6
Graham Ranch	6200	2/25	49	12.2	14.5	12.4
#Lost-Wood Divide	7900	2/27	60	17.5	28.7	20.5
Mascot Mine	7900	2/27	37	9.7	15.4	12.1
Mount Baldy	9000	2/28	62	17.0	26.8	18.0
Soldier Ranger Station	6100	2/28	44	12.0	14.3	11.2
#Vienna Mine	8900	2/27	91	29.9	46.2	32.2

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNDW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
CANYON CREEK						
Bennett Mountain	6650	3/3	54	17.2	22.6	15.5*
#Camas Creeks Divide	5720	3/3	35	11.2	16.1	--
BOISE RIVER						
Atlanta Summit	7500	3/3	92	30.5	53.3	30.2
Atlanta Summit (SP)	7500	3/3	--	27.5	--	--
Bad Bear	5500	2/28	43	15.0	18.8	13.1*
#Bennett Mountain	6650	3/3	54	17.2	22.6	15.5*
#Bogus Basin	6120	3/4	67	22.0	27.5	20.7
Bogus Basin Road	5360	3/4	26	7.4	10.2	5.4
#Camas Creeks Divide	5720	3/3	35	11.2	16.1	--
Couch Summit	6950	2/28	59	16.8	22.6	16.9*
#Dollarhide Summit	8620	2/27	68	19.9	30.1	20.7
Graham Guard Station	5690	3/3	56	18.4	--	--
Jackson Peak	7000	3/3	84	27.8	37.1	27.2*
Moores Creek Summit	6100	2/28	98	29.5	36.4	28.5
Prairie	4900	2/27	33	9.3	7.6	5.3
#Soldier Ranger Station	6100	2/28	44	12.0	14.3	11.2
Trinity Mountain	7780	3/3	104	38.7	60.7	37.8
Trinity Mountain (SP)	7780	3/3	--	29.7	--	--
Trinity Mountain (R)	7780	3/3	--	34.7	--	--
#Vienna Mine	8900	2/27	91	29.9	46.2	32.2
PAYETTE RIVER						
#Big Creek Summit	6600	3/1	100	34.1	47.2	31.4
Bogus Basin	6120	3/4	67	22.0	27.5	20.7
#Brundage Mountain	7560	2/27	111	40.2	56.2	42.2*
Cozy Cove	5900	2/21	58	16.5	18.7	15.1
Cozy Cove (SP)	5900	3/4	--	14.5	--	--
Cozy Cove (R)	5900	3/4	--	14.0	--	--
Crawford Ranger Station	4800	3/1	34	10.0	10.4	7.7
Deadwood Airstrip	5440	3/3	47	16.7	17.6	14.5
Deadwood Summit	7000	3/3	114	39.9	64.5	40.4*
Deadwood Summit (SP)	7000	3/3	--	40.8	--	--
High Valley Summit	5170	3/4	46	14.4	13.1	10.3*
#Jackson Peak	7000	3/3	84	27.8	37.1	27.2*
Lake Fork	6000	2/28	57	18.3	22.3	14.1*
Rock Flat Summit	5200	2/27	58	17.3	21.6	16.2
Secesh Summit	6440	2/28	93	34.2	50.6	--
Squaw Meadow	5800	2/28	95	34.8	51.4	31.1*
Tripod Summit	5200	3/4	60	20.5	24.7	15.8*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
WEISER RIVER						
Boulder Creek	5500	2/27	74	24.4	33.6	21.8*
Placer Creek	6000	2/28	65	17.7	23.5	15.9*
MANN CREEK						
Mann Creek	6080	2/26	75	24.3	30.7	--
Robinson Creek Ridge	6220	2/26	65	23.2	23.3	--
Sturgill Ridge	6800	2/26	86	26.9	37.8	--
Thorson Cabin	5320	2/26	54	16.0	17.7	--

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE							
RAFT RIVER							
Boy Scout Camp		7600	3/3	33	11.8	17.2	13.2*
Clear Creek Mdws.	Utah	9050	3/3	64	21.8	19.9	18.2*
George Peak		9000	3/3	82	32.2	--	--
Howell Canyon		8000	3/3	65	24.3	36.9	22.2
One Mile Summit	Utah	7330	3/3	24	6.9	5.8	6.8*
Sheep Hollow		6200	3/3	14	5.3	7.2	5.6*
Sublett		6000	3/3	39	12.5	17.2	9.9
Summit Springs		6400	3/3	38	12.6	16.8	9.7*
GOOSE CREEK							
Badger Gulch		6660	3/3	36	12.6	17.0	10.1
Bostetter Ranger Station		7500	3/3	53	17.8	25.2	17.5
Vi Pont		7670	3/3	43	13.5	16.0	12.7*
SALMON FALLS CREEK							
#Bear Creek	Nev.	7800	2/25	73	24.3	17.8	17.3
Cedar Creek		7000	2/25	35	10.9	11.9	8.8
Deadline		6900	2/26	61	21.3	25.8	19.9
#Fox Creek	Nev.	6800	2/25	49	14.6	11.0	9.3
Goat Creek	Nev.	8800	2/25	53	16.4	16.7	16.0
#Hummingbird Springs	Nev.	8945	2/25	65	20.0	21.0	19.5
Magic Mountain		6700	2/26	53	18.6	22.8	16.2
#Pole Creek R. S.	Nev.	8330	2/25	65	21.4	19.7	16.8
Red Point	Nev.	7940	2/25	23	6.5	10.7	9.2*
Shoshone Basin		5740	2/25	28	8.4	8.9	4.2
Wilson Creek		7500	2/25	39	12.5	11.7	10.8*
BRUNEAU RIVER							
Bear Creek	Nev.	7800	2/25	73	24.3	17.8	17.3
Fox Creek	Nev.	6800	2/25	49	14.6	11.0	9.3
Hummingbird Springs	Nev.	8945	2/25	65	20.0	21.0	19.5
Pole Creek R. S.	Nev.	8330	2/25	65	21.4	19.7	16.8
#Seventy-six Creek	Nev.	7100	2/25	48	15.4	14.8	10.0*
OWYHEE RIVER							
Battle Creek (A)		5700	2/22	21	6.5	7.2	2.9
#Bear Creek	Nev.	7800	2/25	73	24.3	17.8	17.3
Bull Basin (A)		5600	2/22	12	3.7	3.0	1.1*
#Fox Creek	Nev.	6800	2/25	49	14.6	11.0	9.3
Hyde Pasture (A)		5800	2/22	34	10.5	10.8	4.9
Red Canyon (A)		6650	2/22	36	11.2	10.8	5.9*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average [b]
#Seventy-six Creek Nev.	7100	2/25	48	15.4	14.8	10.0*
Silver City	6400	2/25	55	17.2	16.6	13.8
South Mountain	6340	2/25	45	13.8	16.2	11.3
South Mountain (SP)	6340	3/3	--	13.2	--	--
South Mountain (R)	6340	3/3	--	11.8	--	--
Succor Creek (A)	6100	2/22	27	8.4	8.4	5.4*
Triangle (A)	5150	2/22	8	2.5	3.0	0.6
Vaught Ranch (A)	5950	2/22	27	8.4	8.4	3.3*
War Eagle (A)	7700	2/22	60	18.6	21.0	22.1*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Averoge. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radiooctive Gage snow-woter equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
UPPER SNAKE RIVER BASIN							
CAMAS-BEAVER CREEKS							
Camp Creek		6800	2/27	38	10.9	8.0	9.0
Kilgore		6200	2/27	40	12.1	9.9	10.1
MEDICINE LODGE CREEK							
Irving Creek		7035	2/28	24	5.7	--	5.2*
Webber Creek		6700	2/28	22	5.0	--	5.3*
HENRYS FORK RIVER							
Big Springs		6500	2/27	61	18.0	22.3	18.6
Black Canyon		7850	2/25	88	27.8	39.8	29.4*
Black Moose		8130	2/25	96	33.8	46.0	36.2*
Grassy Lake	Wyo.	7230	2/26	93	29.8	33.4	30.1
Island Park		6315	2/27	57	15.6	17.7	14.7
Latham Springs		7650	2/25	85	27.8	37.6	27.9*
Lucky Dog		6900	2/25	76	23.6	28.4	21.6*
Sawtell Mountain		8720	2/27	78	25.4	33.3	30.4*
Targhee Pass		7000	2/27	43	10.9	12.3	13.5*
Valley View		6500	2/27	47	12.8	14.1	15.4
White Elephant		7700	2/27	65	19.7	28.6	--
TETON RIVER							
Darby Canyon	Wyo.	8250	2/26	63	18.5	28.4	--
Freds Mountain	Wyo.	8150	2/26	62	18.2	24.6	--
Garns Mountain		8300	2/26	102	33.2	42.4	--
Indian Meadows	Wyo.	8240	2/26	98	30.4	45.6	--
Jackpine Creek	Wyo.	7350	2/26	67	20.0	27.2	--
McRenolds Reservoir		6800	2/26	65	19.2	23.4	--
Miles Creek	Wyo.	7300	2/26	42	11.5	15.2	--
Phillips Bench	Wyo.	8200	2/28	80	26.2	31.1	--
Pine Creek Pass		6750	2/26	57	16.6	19.0	15.4*
State Line		6650	2/26	49	14.1	13.4	12.8
Teton Pass W.S.	Wyo.	8400	2/28	66	20.6	29.4	--
WILLOW CREEK							
Aspen Grove		6600	2/24	40	11.2	14.5	10.3*
Birch Creek		6800	2/24	43	12.5	16.9	14.3*
Blue Ridge		6800	2/24	59	17.5	20.9	--
Bone		6200	2/24	31	8.6	8.5	7.5*
Brockman Station		6430	2/24	42	10.5	11.2	--
Hell Creek		7100	2/24	50	14.3	18.1	--
Mud Creek		7150	2/24	43	12.6	16.1	--
Sheep Mountain		6510	2/24	44	11.0	14.1	12.6*
Tex Creek		6550	2/24	35	10.0	8.4	8.5*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
SAND CREEK						
Henry Creek	5650	2/24	21	6.3	4.4	2.4*
BLACKFOOT RIVER						
Austin Bros. Ranch	6400	2/27	33	9.1	9.1	7.9
Slug Creek Divide	7230	2/27	53	15.3	13.9	14.7*
Somsen Ranch	7000	2/27	49	13.3	14.1	12.0
PORTNEUF RIVER						
Dempsey Creek	6280	2/27	48	14.0	12.5	10.6
Lower Pebble	5800	2/27	46	13.4	14.9	12.1*
Mink Creek	6400	2/27	63	20.5	19.5	15.0
Pebble Creek	6550	2/27	50	15.4	17.8	14.5

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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	2/26	69	22.6	26.8	21.8*
Emigration Canyon	6500	2/26	37	10.5	10.4	9.7*
Montpelier Creek						
Giveout	6840	2/27	42	12.0	12.0	11.0*
Little Beaver	6970	2/27	50	14.5	14.4	14.0*
Lower Home Canyon	7500	2/27	46	13.0	11.9	--
Montpelier Creek	6570	2/27	31	7.8	9.3	7.5*
Upper Home Canyon	8500	2/27	66	19.3	21.1	--
Whiskey Flat	6985	2/27	30	7.4	8.6	8.9*
Mink Creek						
Christensen Ranch	5600	3/3	34	10.1	12.4	7.7
Dry Basin	7900	3/3	75	25.1	30.8	25.3*
#Emigrant Summit	7350	2/26	69	22.6	26.8	21.8*
Horseshoe Basin	8000	3/3	66	22.1	25.0	23.2*
Liberty Spring	8600	3/3	96	33.4	42.0	33.8*
Strawberry Creek	5800	2/26	39	11.5	14.1	9.6
Strawberry Mink Divide	6800	3/3	63	21.6	24.4	18.6
Cub River						
Cub River R. S.	5400	3/3	35	11.0	14.3	8.0
#Franklin Basin	8000	3/3	64	22.9	27.4	--
Willow Flat	6100	3/3	51	17.1	19.7	13.7
MALAD RIVER						
Cliff Canyon	7200	2/27	38	10.7	9.1	--
Daniels Creek	6400	2/27	28	6.5	7.8	--
Dry Creek Flat	6480	2/28	36	10.3	10.9	6.6
Lower Elkhorn	7000	2/28	48	15.1	13.6	12.4*
Oxford Mountain	6800	2/28	40	11.2	10.5	9.4
Upper Elkhorn	7100	2/28	59	16.8	17.0	16.0*

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SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	2/28	7.8	10.2	9.2
Lookout	5250	48	11.0	2/28	7.4	8.6	7.6
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	2/25	Frozen	4.0	4.2
Lemhi River							
Above Gilmore	8200	69	5.4	2/26	Frozen	4.2	3.3
Meadow Lake	9100	48	4.4	2/26	Frozen	--	2.1
LITTLE LOST RIVER							
Wet Creek Summit	8175	48	17.1	2/26	12.2*	13.5	12.9
BIG WOOD RIVER							
Galena	7300	48	10.1	2/25	5.4*	--	5.6
Galena Summit	8795	48	5.8	2/25	Frozen	1.8	Frozen
SALMON FALLS CREEK							
Deadline	6900	36	7.4	2/26	5.7	6.8	7.0
Patrick Ranch	5720	36	7.7	2/25	6.1	5.1	5.7
Pole Creek R. S.	8330	48	9.7	2/25	6.9	8.1	7.7
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	2/25	13.1	11.1	10.4

*Partially frozen.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

States:

Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U.S. Army Engineers

U.S. Department of Agriculture
Forest Service
Agriculture Research Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
APR. 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.
SCS PHOTO [illegible]-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER RESOURCES
STATE OF IDAHO

Report prepared by

JACK A. WILSON, Snow Survey Supervisor
and
MARION O. CARSTENS, Statistical Assistant

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

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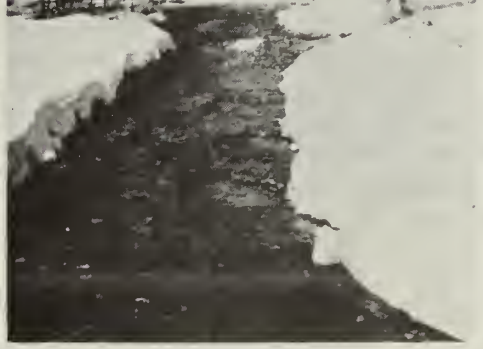
WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR APRIL 1, 1975

Snowfall during March was near normal on the Priest River, Bruneau River and Cub River watersheds and above average on all other drainages in Idaho. Snow-water equivalent as of April 1 was above normal throughout the state ranging from 102% of average on the Clearwater River watershed to 204% of normal on the Palouse drainage. The Owyhee drainage along the Idaho-Nevada border recorded 212% of average snow water and the Upper Snake River watershed in Wyoming was 98% of normal. In general the snowpack is still accumulating from storms during the first week of April.

Streamflow forecasts for the 1975 seasonal runoff period vary from 98% of average for the Little Lost River drainage to 131% of normal on Montpelier Creek in southeastern Idaho. The outlook for water supply is good to excellent throughout the state.

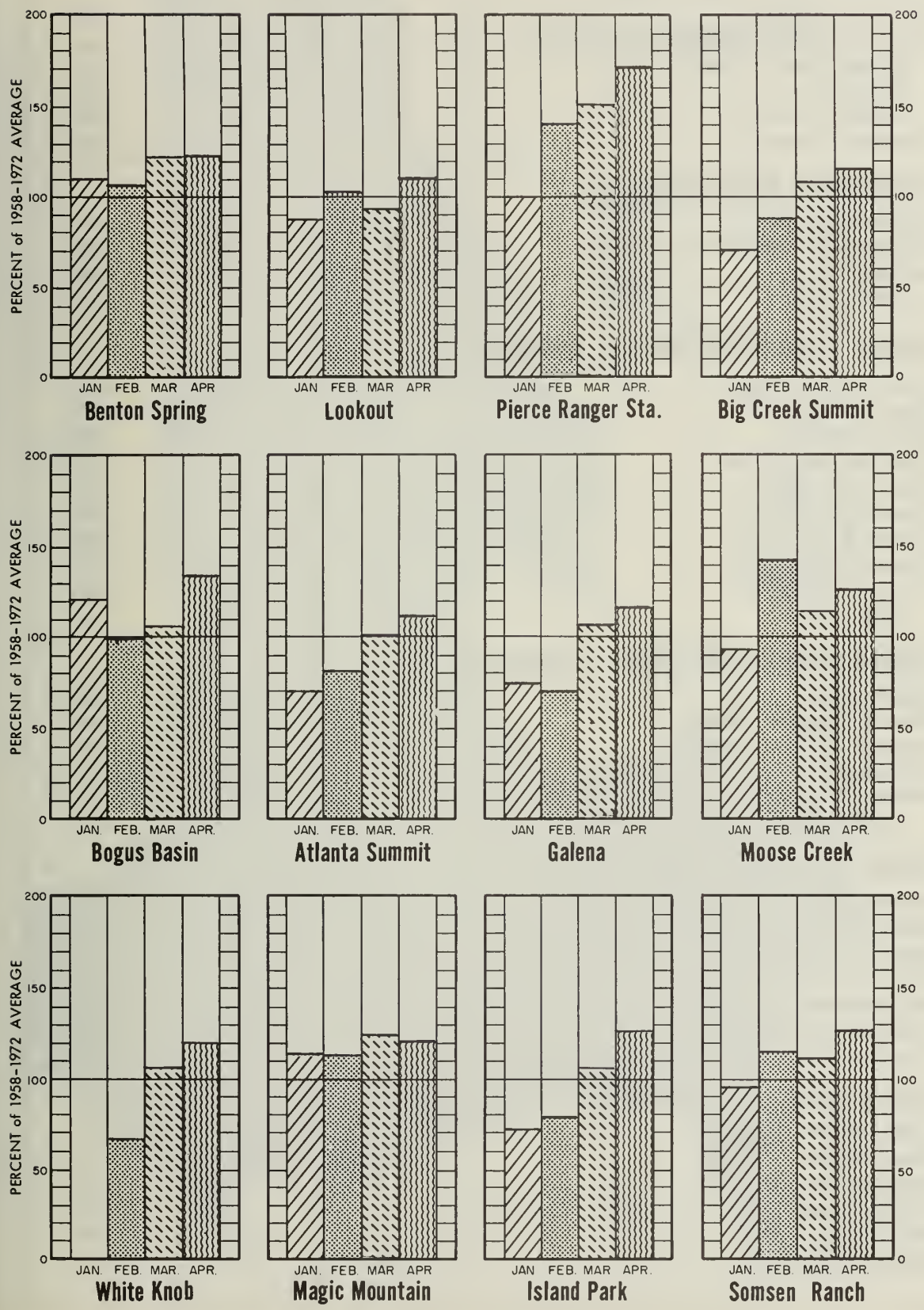
The dry soils resulting from the May to November 1974 drought conditions are expected to absorb a portion of the snow-water during the spring snowmelt cycle but should not appreciably reduce runoff volumes.

Carryover storage is good to excellent and many reservoirs are now being lowered in anticipation of good spring runoff.

Valley precipitation during March was near normal in areas north of the Salmon River and much above (more than 150% of normal) across mo of southern Idaho. Most of the precipitation in southern Idaho fell during the ten-day period of the 16th through the 25th. Temperature for March averaged near normal, though the first half of the month was mild, and the latter half was cold, wet and windy.

The National Weather Service predicts that, for most major Idaho streams, there is only about a 25% probability of flooding during the May-June runoff period. However, a much greater threat exists across southern Idaho where an excessive low-elevation snowpack creates a flood potential if hot weather occurs in April or early May. Among the drainages with the potential for high volume, rapid runoff are the Big Wood (especially at and below Magic Reservoir), the Little Wood River, and Fish Creek. In southeastern Idaho, this potential exists at Mud Lake, on Willow and Sand Creeks, and on the Portneuf River.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1958-1972 15 Yr. Average



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA RIVER BASIN			
Kootenai River	25	81	114
Pend Oreille River	56	88	114
Clark Fork River	30	97	112
Flathead	21	83	107
Priest River	4	98	140
Spokane River	16	80	109
LOWER SNAKE RIVER BASIN			
Palouse River	4-5	114	204
Clearwater River	24	81	102
Salmon River	22	78	114
Lemhi River	6	70	104
MIDDLE SNAKE RIVER BASIN - Northside			
Little Lost River	5	84	111
Big Lost River	7	75	105
Fish Creek	2	171	153
Little Wood River	4	87	114
Big Wood River	9	79	117
Canyon Creek	1-3	153	138
Boise River	12	91	132
Payette River	14	85	122
Weiser River	2-6	92	126
Mann Creek	4	94	--
MIDDLE SNAKE RIVER BASIN - Southside			
Raft River	7	101	139
Goose-Trapper Creeks	2-3	89	139
Salmon Falls Creek	9	114	127
Bruneau River	4	123	130
Owyhee River	5	180	212
Jordan Creek	2	108	155
UPPER SNAKE RIVER BASIN			
Snake Basin - Wyoming	22	78	98
Camas-Beaver Creeks	3	111	134
Henrys Fork River	10-11	77	110
Teton River	2-11	88	116
Willow-Sand Creeks	6-9	110	124
Blackfoot River	3	116	121
Portneuf River	4	118	135
GREAT BASIN			
Bear River - Upper	11	100	110
Bear River - Lower	15-17	105	115
Montpelier Creek	4-6	119	117
Mink Creek	7	98	111
Cub River	3	101	124
Malad River	4-6	140	145

SNOW WATER DEPTHS

As percent of 1958-72 15 year average

APRIL 1, 1975

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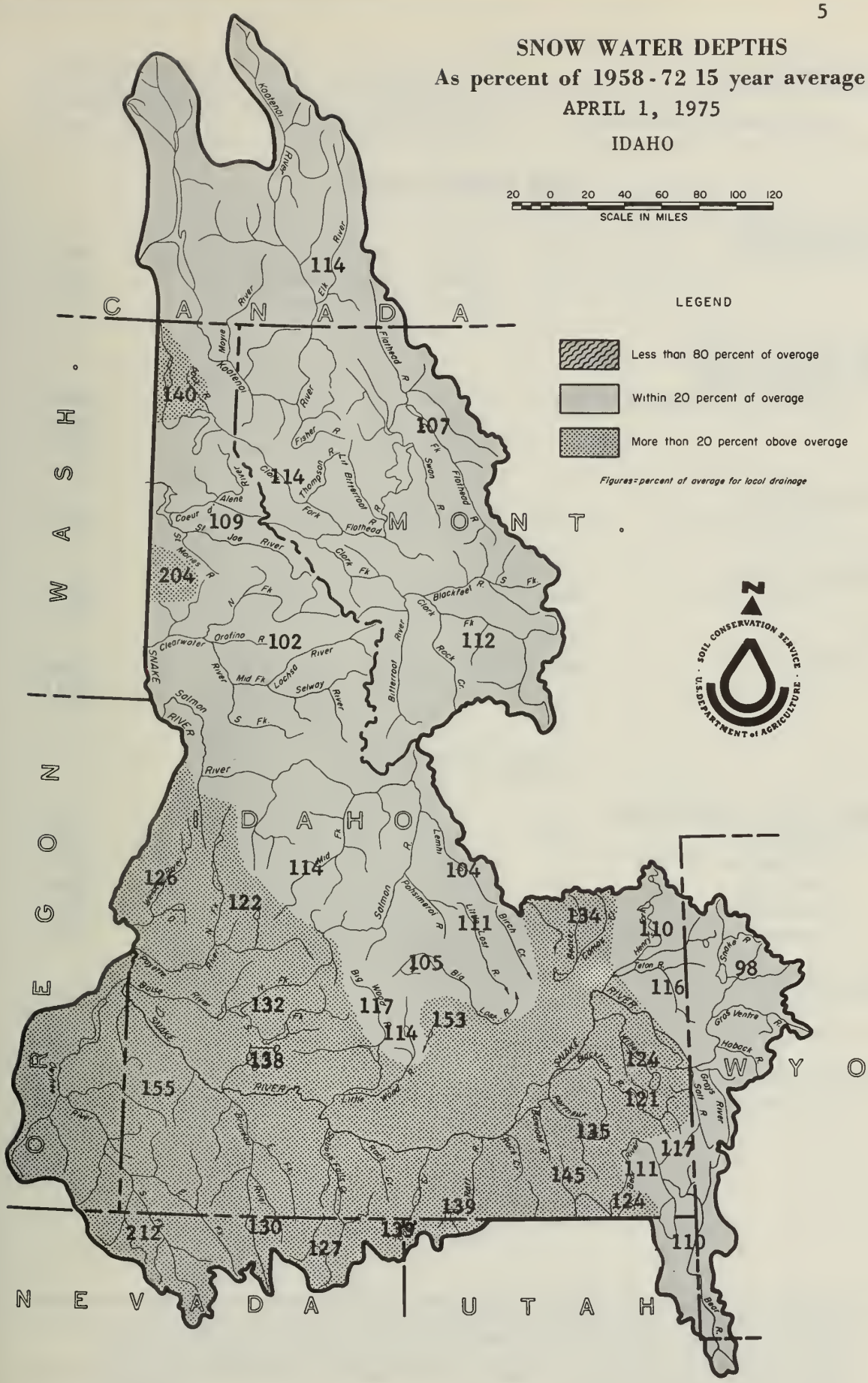

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	9500	105	Apr-Sep	--	9073
		8400	106	Apr-Jul	--	7957
		6800	106	Apr-Jun	--	6431
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	14200	101	Apr-Sep	--	14336
		13050	102	Apr-Jul	--	13086
		11200	101	Apr-Jun	--	11325
Priest River						
Priest River 1/	(at)	975	111	Apr-Jul	--	879
SPOKANE RIVER						
Post Falls 2/	(at)	3350	111	Apr-Sep	--	3008
St. Joe River						
Calder	(at)	1410	105	Apr-Sep	--	1345
		1350	106	Apr-Jul	--	1277
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	840	98	Apr-Sep	1153	858
Palisades Inflow 3/		3680	99	Apr-Sep	5295	3714
Heise 4/	(nr)	4000	101	Apr-Sep	5555	3946
Blackfoot 5/	(nr)	4380	106	Apr-Jul	--	4173
Weiser	(at)	7050	108	Apr-Sep	--	6524
Henrys Fork						
Ashton 6/	(nr)	720	107	Apr-Sep	--	671
Rexburg 7/	(nr)	1470	108	Apr-Sep	--	1364
Teton River						
St. Anthony	(nr)	480	109	Apr-Sep	--	442

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

APRIL 1, 1975

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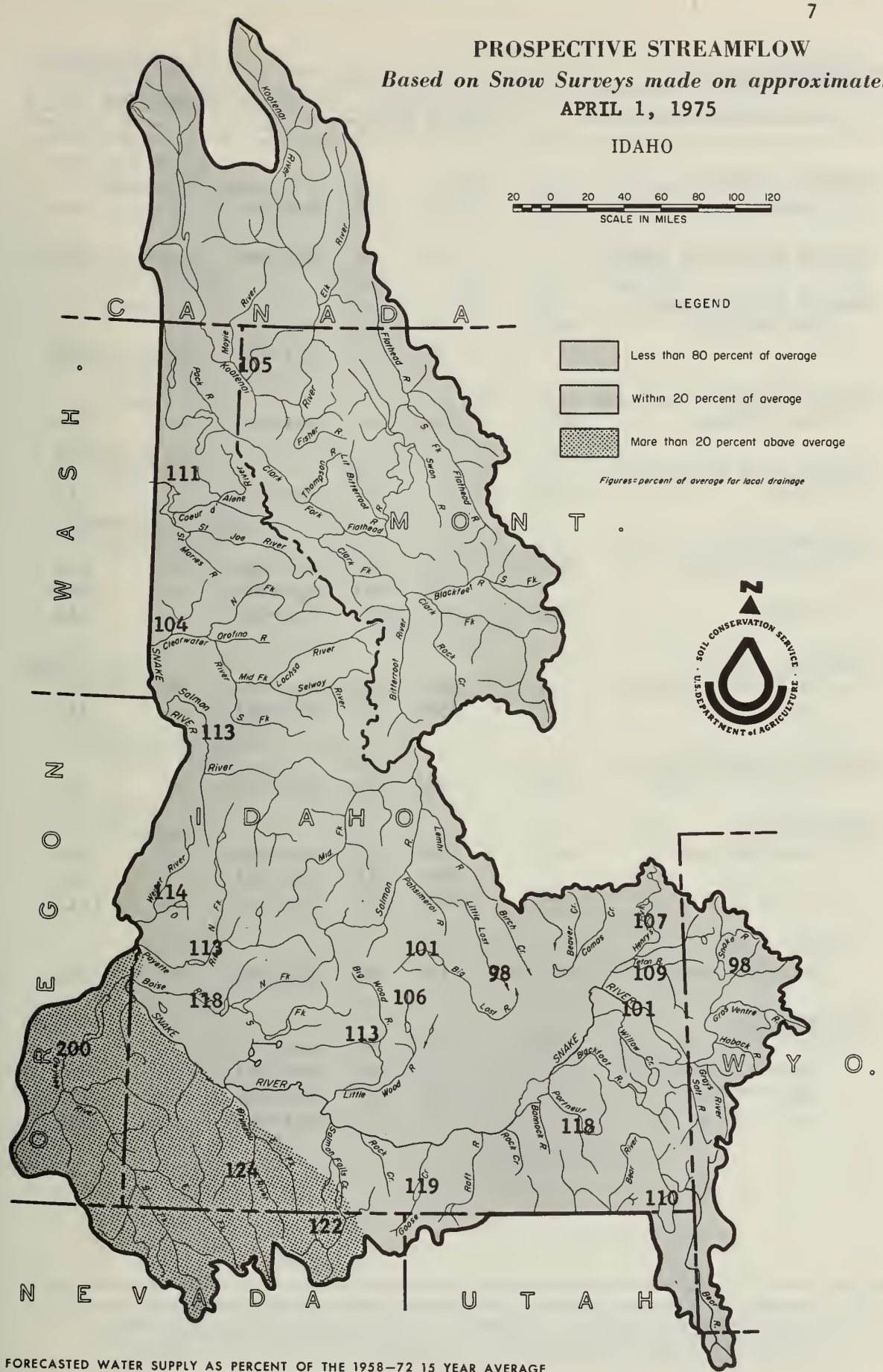


FORECASTED WATER SUPPLY AS PERCENT OF THE 1958—72 15 YEAR AVERAGE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Portneuf River						
Topaz	(at)	110	118	Mar-Sep	--	93
Oakley Reservoir Inflow		35	119	Mar-Sep	--	29.5
Salmon Falls Creek						
San Jacinto	(nr)	102	122	Mar-Sep	--	84
		98	122	Mar-Jul	--	80
Bruneau River						
Hot Springs	(nr)	280	124	Mar-Sep	--	226
Little Lost River						
Howe	(nr)	40	98	Apr-Sep	--	41
Big Lost River						
Howell Ranch	(at)	210	101	Apr-Sep	--	208
		150	103	Apr-Jun	--	146
Mackay 1/	(nr)	185	101	Apr-Sep	--	183
Big Wood River						
Magic Reservoir		340	113	Apr-Sep	--	301
Inflow 2/		350	113	Mar-Jul	--	310
Little Wood River						
High Five Creek	(ab)	100	106	Apr-Sep	--	94
Boise River						
Twin Springs	(nr)	850	118	Apr-Sep	--	720
		790	119	Apr-Jul	--	665
Boise 3/	(nr)	1900	118	Apr-Sep	--	1612
South Fork						
Anderson Dam 4/	(at)	725	120	Apr-Sep	--	603
Owyhee River						
Gold Cr., Nev. 5/	(nr)	35	194	Apr-Jul	--	18
Owyhee, Nev. 5/	(nr)	115	169	Apr-Jul	--	68
Lake Owyhee		664	200	Apr-Sep	408	332
net inflow 6/		618	200	Apr-Jul	385	309

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow. + 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Payette River						
Horseshoe Bend 1/	(nr)	2090	113	Apr-Sep	--	1850
Banks 2/	(nr)	1120	113	Apr-Jul	--	993
North Fork						
Cascade 3/	(at)	640	114	Apr-Sep	--	562
Banks 3/	(nr)	830	114	Apr-Sep	--	730
Weiser River						
Weiser ab. Crane Creek 4/		580	114	Mar-Sep	--	511
Salmon River						
Whitebird	(at)	7850	113	Apr-Sep	--	6959
Clearwater River						
Spalding	(at)	8950	104	Apr-Sep	--	8605
GREAT BASIN						
BEAR RIVER						
Harer	(at)	316	110	Apr-Sep	--	297
Montpelier Creek						
Montpelier	(nr)	16.2	131	Apr-Sep	--	12.4
Cub River						
Preston	(nr)	57	114	Apr-Sep	--	50

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

RESERVOIR STORAGE (1,000 Ac. Ft.)

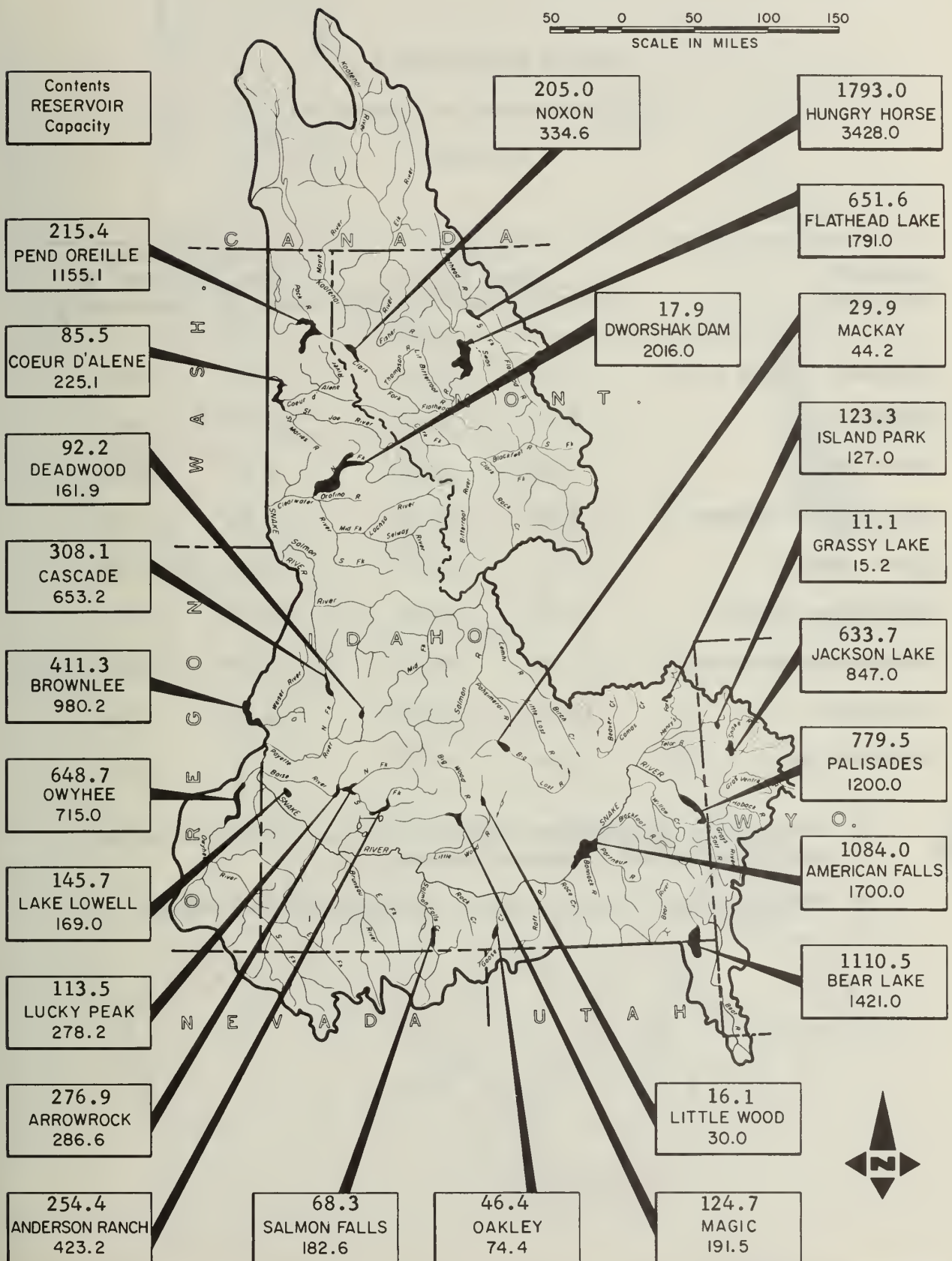
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958–72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1793.0	1883.0	2157.0
Flathead	1791.0	651.6	933.9	794.5
Pend Oreille	1155.1	215.4	414.6	477.1
Noxon	334.6	205.0	328.0	198.5
Spokane				
Coeur d'Alene	225.1	85.5	263.5	174.0
SNAKE BASIN				
Snake				
Jackson Lake	847.0	633.7	664.1	517.0
Palisades	1200.0	779.5	766.4	794.4
American Falls	1125.0	1084.0	958.1	998.2
Island Park	127.0	123.3	121.4	123.7
Grassy Lake	15.2	11.1	10.9	10.5
Brownlee	980.2	411.3	621.7	324.4*
Goose-Trapper Creeks				
Oakley	74.4	46.4	51.3	22.9
Salmon Falls Creek				
Salmon Falls	182.6	68.3	92.4	42.6
Big Lost				
Mackay	44.2	29.9	31.5	32.1
Big Wood				
Magic	191.5	124.7	152.6	115.1
Little Wood				
Little Wood	30.0	16.1	20.5	16.7
Fish Creek				
Carey Valley	13.0	6.4	12.0	--
Boise				
Anderson Ranch	423.2	254.4	174.3	229.9
Arrowrock	286.6	276.9	247.2	231.5
Lucky Peak	278.2	113.5	81.3	119.2
Lake Lowell (Deer Flat)	169.0	145.7	144.7	143.3
Owyhee				
Owyhee	715.0	648.7	698.3	509.2
Payette				
Cascade	653.2	308.1	263.7	304.9
Deadwood	161.9	92.2	52.3	84.6
Weiser				
Mann Creek	11.1	5.9	9.8	--
Clearwater				
Dworshak	2016.0	17.9	186.8	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1110.5	1097.3	974.9

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

APRIL 1, 1975



VALLEY PRECIPITATION 1/

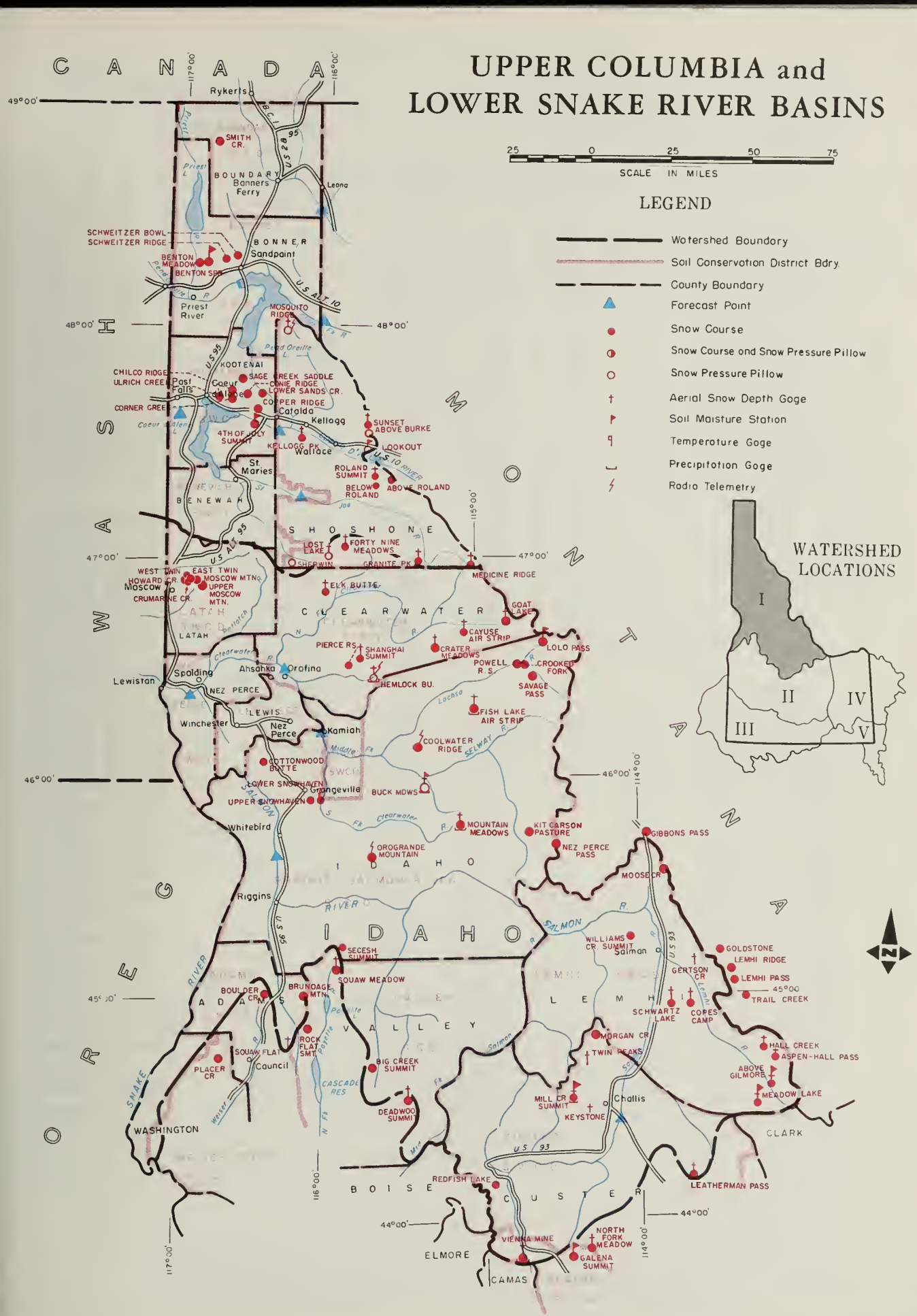
Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter March 1975		Fall - Winter Nov. 74 - Mar. 75	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U.S.	1.96	+0.11	18.64	+4.52
Flathead	1.74	+0.14	10.66	-0.47
Clark Fork	.75	0.00	4.92	-0.03
Pend Oreille-Spokane	2.65	-0.09	21.68	+2.93
Upper Snake	2.20	+0.68	10.11	0.00
Snake River Plain	1.62	+0.85	5.53	+0.62
Salmon-Payette-Boise	2.67	+0.91	12.88	+0.84
Clearwater	2.59	-0.24	17.08	+1.44
Owyhee-Malheur	1.48	+0.62	5.92	+0.29

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-72 drainage division average.


UPPER COLUMBIA and
LOWER SNAKE RIVER BASINS
SCALE IN MILES
25 0 25 50 75
LEGEND
Watershed Boundary
Soil Conservation District Bdry.
County Boundary
Forecast Point
Snow Course
Snow Course and Snow Pressure Pillow
Snow Pressure Pillow
Aerial Snow Depth Gage
Soil Moisture Station
Temperature Gage
Precipitation Gage
Radio Telemetry
WATERSHED LOCATIONS
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III
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V
CANADA
WASHINGTON
OREGON
IDAHO
MONTANA
BOUNDARY
BONNER
KOOTENAI
SHOSHONE
BENEWAH
LATAH
CLEARWATER
NEZ PERCE
LEWIS
ADAMS
VALLEY
LEMHI
CLARK
BOISE
CUSTER
ELMORE
CAMAS
Rykerts
Smith Cr.
Leona
Banners Ferry
Schweitzer Bowl
Schweitzer Ridge
Benton Meadow
Benton Spg.
Sandpoint
Priest River
Mosquito Ridge
Chilco Ridge
Ulrich Creek
Post Falls
Coeur d'Alene
Corner Creek
Sage Creek Saddle
Conie Ridge
Lower Sands Cr.
Copper Ridge
Cataldo
Kellogg
4th of July Summit
Kellogg Pk.
Wallace
Sunset
Above Burke
Lookout
Roland Summit
Below Roland
Above Roland
St. Maries
Lost Lake
Sherwin
Forty Nine Meadows
Granite Pk.
Medicine Ridge
West Twin
East Twin
Howard Cr.
Moscow Mtn.
Upper Moscow Mtn.
Moscow
Crumarine Cr.
Elk Butte
Goat Lake
Cayuse Air Strip
Lolo Pass
Pierce RS
Shanghai Summit
Crater Meadows
Powell R.S.
Crooked Fork
Savage Pass
Hemlock Bu.
Lewiston
Spalding
Ahsahka
Orofino
Winchester
Nez Perce
Kamiah
Fish Lake Air Strip
Coolwater Ridge
Cottonwood Butte
Lower Snowhaven
Upper Snowhaven
Grangeville
Buck Mdws
Whitebird
Mountain Meadows
Kit Carson Pasture
Nez Perce Pass
Orogrande Mountain
Gibbons Pass
Moose Cr.
Riggins
Secesh Summit
Souaw Meadow
Boulder Cr.
Brundage Mtn.
Rock Flat Smt.
Placer Cr.
Squaw Flat
Council
Big Creek Summit
Deadwood Summit
Cascade Res.
Williams Cr. Summit
Salmon
Goldstone
Lemhi Ridge
Lemhi Pass
Trail Creek
Gertson Cr.
Schwartz Lake
Copes Camp
Morgan Cr.
Twin Peaks
Hall Creek
Aspen-Hall Pass
Above Gilmore
Meadow Lake
Mill Cr. Summit
Keystone
Challis
Leatherman Pass
Redfish Lake
Vienna Mine
North Fork Meadow
Galena Summit
US 95
US 2
US 10
US Alt. 10
US 93
Priest R.
Priest L.
Pend Oreille R.
Pend Oreille L.
Coeur d'Alen L.
Coeur d'Alene R.
St. Joe R.
Clearwater R.
N. Fk. Clearwater R.
S. Fk. Clearwater R.
Middle Fk.
Lochsa R.
Selway R.
Salmon R.
Little Salmon R.
Snake R.
Weiser R.
Payette R.
N. Fk. Payette R.
Middle Fk.
Boise R.
Big Lost R.
Lemhi R.
Pahsimeroi R.
Challis Cr.
Yankee Fork
Panhandle
Nez Perce
Clearwater
Salmon River
Payette
Boise
Sawtooth
Challis
Lemhi
Custer
Bitterroot
Targhee
49°00'
48°00'
47°00'
46°00'
45°00'
44°00'
117°00'
116°00'
115°00'
114°00'

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
UPPER COLUMBIA BASIN						
		KOOTENAI RIVER				
16A1	I	Smith Creek	29	64N	3W	4800
		PEND OREILLE - PRIEST RIVER				
16A2	I	Benton Meadow	27	58N	4W	2344
16A3	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100
		HAYDEN CREEK				
16B8	I	Chilco Ridge	15	52N	2W	3650
16B7	I	Conie Ridge	22	52N	2W	3900
16B9	I	Corner Creek	22	52N	2W	3150
16B6	I	Sage Creek Saddle	10	52N	2W	4100
16B10	I	Ulrich Creek	28	52N	2W	2800
		SPOKANE RIVER				
15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6&7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28&33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
LOWER SNAKE BASIN						
		PALOUSE RIVER				
16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C4P	I	West Twin	14	40N	5W	4250

NO.	STATE	NAME	SEC. LAT.	TWP. OR AND	RGE. LONG.	ELEV.
		CLEARWATER RIVER				
15D5MAP	I	Buck Meadows	26	31N	8E	5600
15C3A	I	Cayuse Airstrip	4	38N	11E	3700
15C7S	I	Coolwater Mountain	32	33N	8E	6200
16C16	I	Cottonwood Butte	33	32N	1W	5140
15C9A	I	Crater Meadows	2	37N	9E	6100
14C10	I	Crooked Fork	27	37N	14E	3800
16C15A	I	Elk Butte	6	40N	3E	5550
15C2AP	I	Fish Lake Airstrip	35	35N	11E	5000
15B3A	I	Forty-nine Meadows	6	43N	5E	5000
14C9A	I	Goat Lake	4	38N	13E	6600
15C6APR	I	Hemlock Butte	7	36N	7E	5500
15C8S	M	Hoodoo Basin	17	14N	27W	6000
15C1	M	Hoodoo Creek	16	14N	27W	5900
14D3	I	Kit Carson Pasture	4	27N	16E	5020
14C5M	I	Lolo Pass	16	38N	15E	5230
15B14AS	I	Lost Lake	16	43N	4E	6000
16D7	I	Lower Snowhaven	9	29N	3E	5300
15D6AP	I	Mountain Meadows	9	27N	10E	6300
14D1	M	Nez Perce Pass	25	1S	24W	6575
15D4S	I	Orogrande Mountain	24	27N	6E	7800
15C5	I	Pierce Ranger Station	2	36N	5E	3170
14C6	I	Powell Ranger Station	33	37N	14E	4230
14C4	I	Savage Pass	18	36N	15E	6600
15C4A	I	Shanghai Summit	7	37N	6E	4600
16D4	I	Upper Snowhaven	8&9	29N	3E	5600
		SALMON RIVER				
13E19MA	I	Above Gilmore	13	13N	26E	8200
13E21A	I	Aspen-Hall Pass	6	16N	28E	8110
15E2	I	Big Creek Summit	24	15N	5E	6600
16D6	I	Brundage Mountain	6	19N	3E	7560
13E17A	I	Copes Camp	36	18N	22E	7500
13D2	M	Gibbons Pass	4	2S	19W	7100
13D9	M	Gold Stone	11	8S	16W	8100
13E20A	I	Hall Creek	1	16N	27E	7560
13E24A	I	Leatherman Pass	20	9N	23E	9800
13E1	M	Lemhi Pass	9	10S	15W	7480
13E23	M	Lemhi Ridge	4	10S	15W	8100
13E18MA	I	Meadow Lake	24	13N	26E	9100
14E1MAP	I	Mill Creek Summit	8	13N	17E	8870
13D16	I	Moose Creek	22&26	27N	21E	6200
14E4	I	Morgan Creek	32	18N	19E	7580
14E2	I	Redfish Lake	3	9N	13E	6600
13E16A	I	Schwartz Lake	34	18N	22E	8500
13E2	M	Trail Creek	15	10S	15W	7090
14E3A	I	Twin Peaks	28	15N	17E	10300
14F4AP	I	Vienna Mine	32	6N	14E	8900
14D4	I	Williams Creek Summit	34	21N	20E	7800

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6

UPPER COLUMBIA RIVER BASIN

KOOTENAI RIVER

Bear Mountain	5400	3/26	182	70.2	--	65.7*
Helverson Creek	4850	3/26	144	53.6	--	50.7*
Smith Creek	4800	4/2	149	55.4	75.6	49.1

PEND OREILLE - PRIEST RIVER

Benton Meadow	2344	3/28	26	8.8	2.4	3.4
Benton Spring	4900	3/28	72	23.8	32.1	19.4
#Mosquito Ridge	5110	3/31	119	46.0	57.6	40.3
Schweitzer Bowl	4500	3/27	115	40.5	45.3	31.7*
Schweitzer Ridge	6100	3/27	172	70.4	66.0	48.3*

HAYDEN LAKE

Chilco Ridge	3650	3/26	37	12.5	9.9	--
Conie Ridge	3900	3/26	44	13.8	12.7	--
Corner Creek	3150	3/26	43	13.4	4.1	--
Sage Creek Saddle	4100	3/26	72	24.8	31.1	--

SPOKANE RIVER

Above Burke	4100	3/28	87	32.2	31.3	25.6*
Above Burke (SP)	4100	3/28	--	28.2	31.8	--
Above Roland	4350	3/31	107	40.9	50.2	35.8*
Below Roland	3770	3/31	55	20.2	21.8	17.4*
Copper Ridge	4800	3/27	97	38.0	41.6	30.1
#Forty-nine Meadows	5000	3/28	103	30.6	41.8	34.9
Fourth of July Summit	3100	3/28	40	13.7	14.2	7.8
Granite Peak	6000	3/28	144	43.2	59.0	47.5*
Kellogg Peak	5560	3/31	107	40.4	52.9	34.7*
Lookout	5250	3/28	119	42.4	46.9	38.1
Lookout (SP)	5250	3/28	--	39.2	--	--
#Lost Lake	6000	3/28	186	63.2	89.1	62.1*
Lower Sands Creek	3400	3/27	64	22.2	31.2	20.7
Medicine Ridge	6150	3/28	143	43.8	60.6	48.1*
Mosquito Ridge	5110	3/31	119	46.0	57.6	40.3
Roland Summit	5200	3/31	118	44.8	59.5	39.2*
Sherwin	3200	3/27	57	20.8	22.7	13.8*
Sherwin (SP)	3200	3/27	--	19.6	22.4	--
Sunset	5600	3/31	115	41.8	52.0	39.3*

*(b) 1958-72, 15 year period. #Nat located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillaw snow-water equivalent. (R) Radioactive Gage snaw-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
LOWER SNAKE RIVER BASIN						
PALOUSE RIVER						
Crumarine Creek	3340	3/28	35	13.8	7.5	4.1*
East Twin	4050	3/28	50	18.6	13.4	9.6
Howard Creek	3450	3/28	29	10.1	--	1.4
Moscow Mountain	4400	3/28	74	25.4	27.3	17.7
West Twin	4250	3/28	44	17.0	17.4	8.7
CLEARWATER RIVER						
Buck Meadows	5600	4/2	96	33.8	43.8	29.7*
Cayuse Airstrip	3700	3/27	49	14.2	14.3	9.6
Coolwater Mountain	6200	3/27	118	31.3	36.0	32.9*
Coolwater Mountain (SP)	6200	3/30	--	31.6	37.7	--
Cottonwood Butte	5140	3/26	48	14.7	15.3	--
Crater Meadows	6100	3/27	144	46.5	49.4	48.7*
Crooked Fork	3600	3/27	50	16.8	20.7	14.3*
Elk Butte	5550	3/28	124	38.2	56.0	39.6*
Fish Lake Airstrip	5000	3/27	135	39.5	45.2	42.4
Forty-nine Meadows	5000	3/28	103	30.6	41.8	34.9
Goat Lake	6600	3/27	141	44.2	54.4	52.1*
#Granite Peak	6000	3/28	144	43.2	59.0	47.5*
Hemlock Butte	5500	3/27	164	50.4	59.6	52.9*
Hoodoo Basin Mont.	6000	4/1	149	56.8	73.6	53.8
#Hoodoo Creek Mont.	5900	4/1	142	51.7	67.7	50.3
Kit Carson Pasture	5020	3/31	41	13.8	14.8	9.1
Lolo Pass	5250	3/27	98	34.8	41.2	32.8
Lost Lake	6000	3/28	186	63.2	89.1	62.1*
Lower Snowhaven	5300	3/26	73	22.8	22.8	--
#Medicine Ridge	6150	3/28	143	43.8	60.6	48.1*
Mountain Meadows	6300	4/2	98	28.0	34.8	26.1*
#Nez Perce Pass Mont.	6575	3/31	67	24.1	25.4	17.3
Orogrande Mountain	7800	3/28	131	38.5	42.2	40.6*
Pierce Ranger Station	3170	3/28	48	17.0	16.0	9.4
Powell Ranger Station	3410	3/27	43	15.9	17.9	12.5*
Savage Pass	6160	3/28	90	30.1	33.5	28.3
Savage Pass (New)	6160	3/28	92	30.0	34.7	--
Shanghai Summit	4600	3/27	106	31.6	36.2	28.2*
Upper Snowhaven	5600	3/26	66	21.7	22.5	--
SALMON RIVER						
Big Creek Summit	6600	3/29	119	43.2	52.5	37.4
#Boulder Creek	5500	3/28	85	32.0	39.2	24.8
Brundage Mountain	7560	3/28	141	53.8	63.8	49.1*
#Deadwood Summit	7000	4/1	133	50.7	78.0	47.0

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [6]
#Galena Summit		8795	3/26	94	29.0	38.6	25.0
#Gibbons Pass	Mont.	7100	3/26	88	28.6	32.9	23.7
#Lemhi Pass	Mont.	7480	4/1	42	12.0	10.4	9.2
#Lemhi Ridge	Mont.	8100	4/1	50	14.6	13.8	10.4
Mill Creek Summit		8870	4/2	71	24.2	39.0	23.6
Moose Creek		6200	3/31	72	21.4	21.8	16.9
Morgan Creek		7580	3/28	63	18.5	19.0	14.1*
Redfish Lake		6600	4/1	35	10.1	16.4	9.8*
#Rock Flat Summit		5200	3/28	74	22.5	24.4	18.6
#Secesh Summit		6440	3/27	119	42.7	59.8	37.6*
#Squaw Meadow		5800	3/27	120	42.6	54.6	37.6
Twin Peaks		10300	4/2	89	30.3	41.3	--
Vienna Mine		8900		Delayed		56.8	38.7
Williams Creek Summit		7800	3/28	49	15.0	17.2	13.4
Lemhi River							
Above Gilmore		8200	4/2	36	8.7	15.8	10.5*
Aspen-Hall Pass		8110	4/2	46	11.2	13.2	9.6*
Copes Camp		7500	4/2	37	9.0	11.1	8.4*
Hall Creek		7560	4/2	27	6.2	7.0	5.4*
Meadow Lake		9100	4/2	64	21.1	33.7	20.5*
Schwartz Lake		8500	4/2	50	14.2	19.8	13.4*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
LITTLE LOST RIVER						
Fairview Guard Station	6750	3/25	18	4.0	5.2	3.1
Lost Garfield	6600	3/25	21	5.1	4.3	2.6
Moonshine	7450	3/25	47	12.2	13.8	11.2
Sawmill Canyon	6900	3/25	36	9.0	9.0	7.9
Wet Creek Summit	7600	3/28	44	11.8	18.0	13.1
BIG LOST RIVER						
Bear Canyon	7920	4/1	61	18.3	29.6	19.4
Copper Basin	7650	4/1	35	11.4	14.6	10.5
Fishpole Lake	9350	4/1	69	22.6	--	--
Iron Bog	7650	3/26	58	14.6	18.9	14.6*
Leadbelt	6800	3/26	43	10.6	8.8	9.4*
Lost-Wood Divide	7900	3/31	76	25.2	38.9	23.7
Stickney Mill	7500	4/1	40	10.5	12.5	10.3
White Knob	7700	3/31	43	12.0	13.9	10.0*
FISH CREEK						
Iron Mine Creek	6370	3/28	50	14.3	11.0	10.2
Telfer Ranch	6000	3/28	40	11.4	4.0	6.6
LITTLE WOOD RIVER						
#Bear Canyon	7920	4/1	61	18.3	29.6	19.4
Garfield Ranger Station	6554	3/27	49	13.4	12.2	10.3
Muldoon	6300	3/27	39	11.4	5.0	7.1
Swede Peak	7650	3/27	66	19.0	24.8	17.8
BIG WOOD RIVER						
Camas Creeks Divide	5720	3/29	48	15.8	10.9	--
#Couch Summit	6950	4/2	71	23.6	24.7	19.0
Dollarhide Summit	8620	3/31	88	28.6	36.2	24.6*
Galena	7300	3/26	79	23.2	30.4	19.8
Galena Summit	8795	3/26	94	29.0	38.6	25.0
Graham Ranch	6200	3/26	56	16.4	17.8	13.6
#Lost-Wood Divide	7900	3/31	76	25.2	38.9	23.7
Mascot Mine	7900	4/1	50	14.9	20.5	13.9
Mount Baldy	9000	3/28	82	22.8	31.9	21.2
Soldier Ranger Station	6100	4/2	42	15.2	11.9	9.6
#Vienna Mine	8900		Delayed		56.8	38.7

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

MIDDLE SNAKE RIVER BASIN
NORTHSIDE

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LITTLE LOST RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9A	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

BIG LOST RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
13F3	I	Bear Canyon	26	5N	21E	7920
13F2A	I	Copper Basin	24	6N	21E	7650
13F8A	I	Fishpole Lake	28	4N	22E	9350
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
14F15A	I	North Fork Meadow	20	7N	18E	8150
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

BIG WOOD RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
15F9A	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

LITTLE WOOD RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
13F9A	I	Swede Peak	4	3N	21E	7500

FISH CREEK

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

BOISE RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
14F10A	I	Couch Summit	9	2N	14E	6950
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moores Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	6	3N	9E	7780

CANYON CREEK

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
15F7	I	Bennett Mountain	7	2S	9E	6650
15F12A	I	Little Camas Flat	21	1S	9E	4950

PAYETTE RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8PS	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4AS	I	Deadwood Summit	23	14N	7E	7000
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6440
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

WEISER RIVER

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
16D1P	I	Boulder Creek	15	20N	1W	5500
16E2	I	Placer Creek	15&16	17N	3W	6000

MANN CREEK

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.
16E9	I	Mann Creek	20	15N	5W	6080
16E8	I	Sturgill Ridge	21	15N	5W	6800
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average 6
CANYON CREEK						
Bennett Mountain	6650	3/29	74	24.2	21.4	17.5*
#Camas Creeks Divide	5720	3/29	48	15.8	10.9	--
Little Camas Flat	4950	3/29	26	9.3	0.0	--
BOISE RIVER						
Atlanta Summit	7500	3/29	119	40.4	57.2	36.0
Bad Bear	5500	4/2	53	20.8	20.1	13.2*
#Bennett Mountain	6650	3/29	74	24.2	21.4	17.5*
#Bogus Basin	6120	4/2	87	32.5	32.3	24.2
Bogus Basin Road	5360	4/2	27	12.0	0.8	1.4
#Camas Creeks Divide	5720	3/29	48	15.8	10.9	--
Couch Summit	6950	4/2	71	23.6	24.7	19.0
#Dollarhide Summit	8620	3/31	88	28.6	36.2	24.6*
Jackson Peak	7000	3/29	106	37.7	49.2	32.4
#Little Camas Flat	4950	3/29	26	9.3	0.0	--
Moores Creek Summit	6100	4/2	112	42.2	45.4	33.3
Prairie	4900	3/29	26	9.6	4.3	2.8
#Soldier Ranger Station	6100	4/2	42	15.2	11.9	9.6
Trinity Mountain	7780	3/29	140	52.2	70.7	42.9
#Vienna Mine	8900		Delayed		56.8	38.7
PAYETTE RIVER						
#Big Creek Summit	6600	3/29	119	43.2	52.5	37.4
Bogus Basin	6120	4/2	87	32.5	32.3	24.2
#Brundage Mountain	7560	3/28	141	53.8	63.8	49.1*
Cozy Cove	5900	4/1	56	21.2	21.0	16.2
Crawford Ranger Station	4800	3/29	35	13.0	6.2	6.3
Deadwood Airstrip	5440	4/1	54	21.4	19.4	15.3
Deadwood Summit	7000	4/1	133	50.7	78.0	47.0
High Valley Summit	5170	3/26	63	18.9	14.2	11.8*
#Jackson Peak	7000	3/29	106	37.7	49.2	32.4
Lake Fork	6000	3/29	66	22.0	23.8	16.1
Rock Flat Summit	5200	3/28	74	22.5	24.4	18.6
Secesh Summit	6440	3/27	119	42.7	59.8	37.6*
Squaw Meadow	5800	3/27	120	42.6	54.6	37.6
Tripod Summit	5200	3/26	80	25.4	28.8	18.3*
WEISER RIVER						
Boulder Creek	5500	3/31	85	32.0	39.2	24.8
Placer Creek	6000	3/28	76	22.2	24.2	18.2

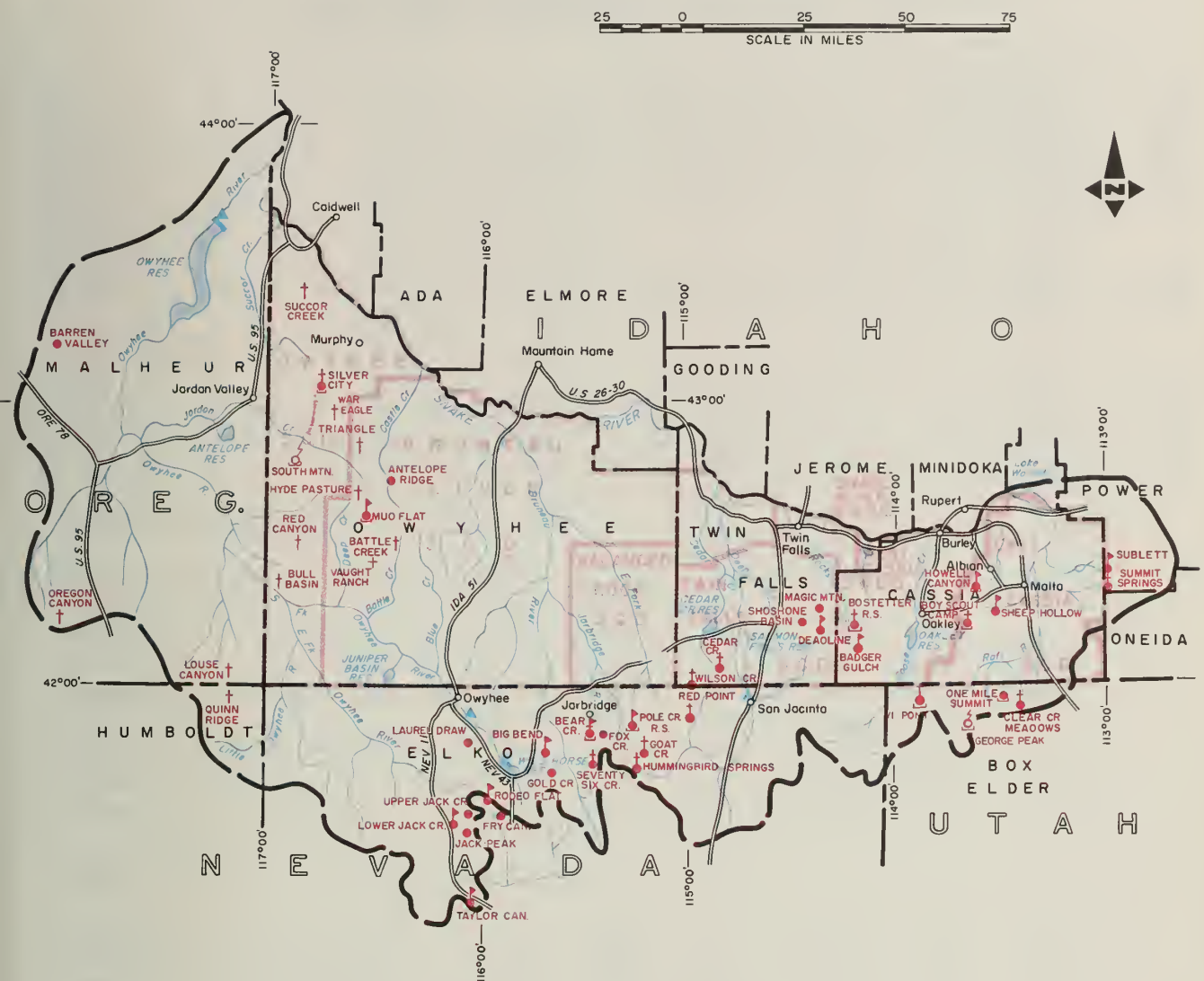
*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average [b]
MANN CREEK						
Mann Creek	6080	3/28	98	33.3	39.3	--
Robinson Creek Ridge	6220	4/3	78	29.0	25.6	--
Sturgill Ridge	6800	3/28	115	39.4	47.1	--
Thorson Cabin	5320	4/3	67	22.6	19.1	--

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

MIDDLE SNAKE RIVER BASIN
SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
MIDDLE SNAKE RIVER BASIN SOUTHSIDE						
RAFT RIVER						
13G2AP	I	Boy Scout Camp	8	14S	24E	7600
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13H4sp	U	George Peak	4	13N	14W	9000
13G1MP	I	Howell Canyon	2	13S	24E	8000
13H1P	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
12G8M	I	Sublett	8	12S	30E	6000
12G9A	I	Summit Springs	15	13S	30E	6400
GOOSE - TRAPPER CREEK						
14G3M	I	Badger Gulch	24	15S	19E	6660
14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500
13H3AP	U	Vi Pont	17	14N	17W	7670
SALMON FALLS CREEK						
14G5A	I	Cedar Creek	25	15S	13E	7000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14G2	I	Magic Mountain	14	14S	18E	6700
15H18A	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2A	I	Wilson Creek	24	16S	12E	7500
BRUNEAU RIVER						
15H1MAP	N	Bear Creek	31	46N	58E	7800
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8950
15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330
OWYHEE RIVER						
16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	17S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
16G10a	I	Bull Basin	19	12S	5W	5600
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE¼ 31	8S	2W	5800
16H4	N	Jacks Peak	28	42N	53E	8420
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7MP	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11ap	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3AP	I	Silver City	6	5S	3W	6400
16G1PS	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4A	I	Triangle	N½ 35	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250
16G12a	I	Vaught Ranch	10	11S	1W	5950
16G13a	I	War Eagle	20	5S	3W	7700

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
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10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average 6
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE							
RAFT RIVER							
Boy Scout Camp		7600	4/4	57	19.5	17.7	15.0
Clear Creek Mdws.	Utah	9050	4/4	88	30.4	26.2	21.6*
Howell Canyon		8000	4/4	89	33.3	41.8	25.7
One Mile Summit	Utah	7330	4/4	30	8.0	8.5	8.0*
Sheep Hollow		6200	4/4	22	7.2	5.1	4.8*
Sublett		6000	4/4	48	17.1	16.4	10.3
Summit Springs		6400	4/4	45	15.8	14.8	9.2
GOOSE CREEK							
Badger Gulch		6660	4/4	51	17.9	18.9	12.0
Bostetter Ranger Station		7500	4/4	74	25.8	28.4	19.5
Vi Pont		7670	4/4	56	16.5	20.0	--
SALMON FALLS CREEK							
#Bear Creek (A)	Nev.	7800	3/30	77	28.3	20.9	20.8
Cedar Creek (A)		7000	3/30	40	12.8	9.9	9.3
Deadline		6900	3/24	80	27.4	29.2	22.9
Goat Creek	Nev.	8800	3/30	66	21.0	18.8	18.8
#Hummingbird Spgs.	Nev.	8945	3/30	81	26.4	25.4	23.7
Magic Mountain		6700	3/24	67	22.6	25.5	18.7
#Pole Creek R. S.	Nev.	8330	3/30	80	29.2	21.9	20.6
Shoshone Basin		5740	3/24	27	9.7	5.7	3.7*
Wilson Creek (A)		7500	3/30	40	13.2	9.9	12.1*
BRUNEAU RIVER							
Bear Creek (A)	Nev.	7800	3/30	77	28.3	20.9	20.8
Hummingbird Springs	Nev.	8945	3/30	81	26.4	25.4	23.7
Pole Creek Rgr. Sta.	Nev.	8330	3/30	80	29.2	21.9	20.6
#Seventy-six Creek (A)	Nev.	7100	4/2	45	15.8	12.9	11.6*
OWYHEE RIVER							
Antelope Ridge		5900	3/26	37	13.0	7.0	5.5*
Battle Creek (A)		5700	3/29	15	5.2	T	1.8
#Bear Creek (A)	Nev.	7800	3/30	77	28.3	20.9	20.8
Bull Basin (A)		5600	3/29	3	1.1	0.0	0.5*
Hyde Pasture (A)		5800	3/29	30	10.5	5.8	3.0
Mud Flat		5500	3/26	29	10.2	3.9	4.4
Red Canyon (A)		6650	3/29	34	11.9	6.7	4.6*
#Seventy-six Creek (A)	Nev.	7100	4/2	45	15.8	12.9	11.6*
Silver City		6400	3/26	69	22.0	21.7	15.1

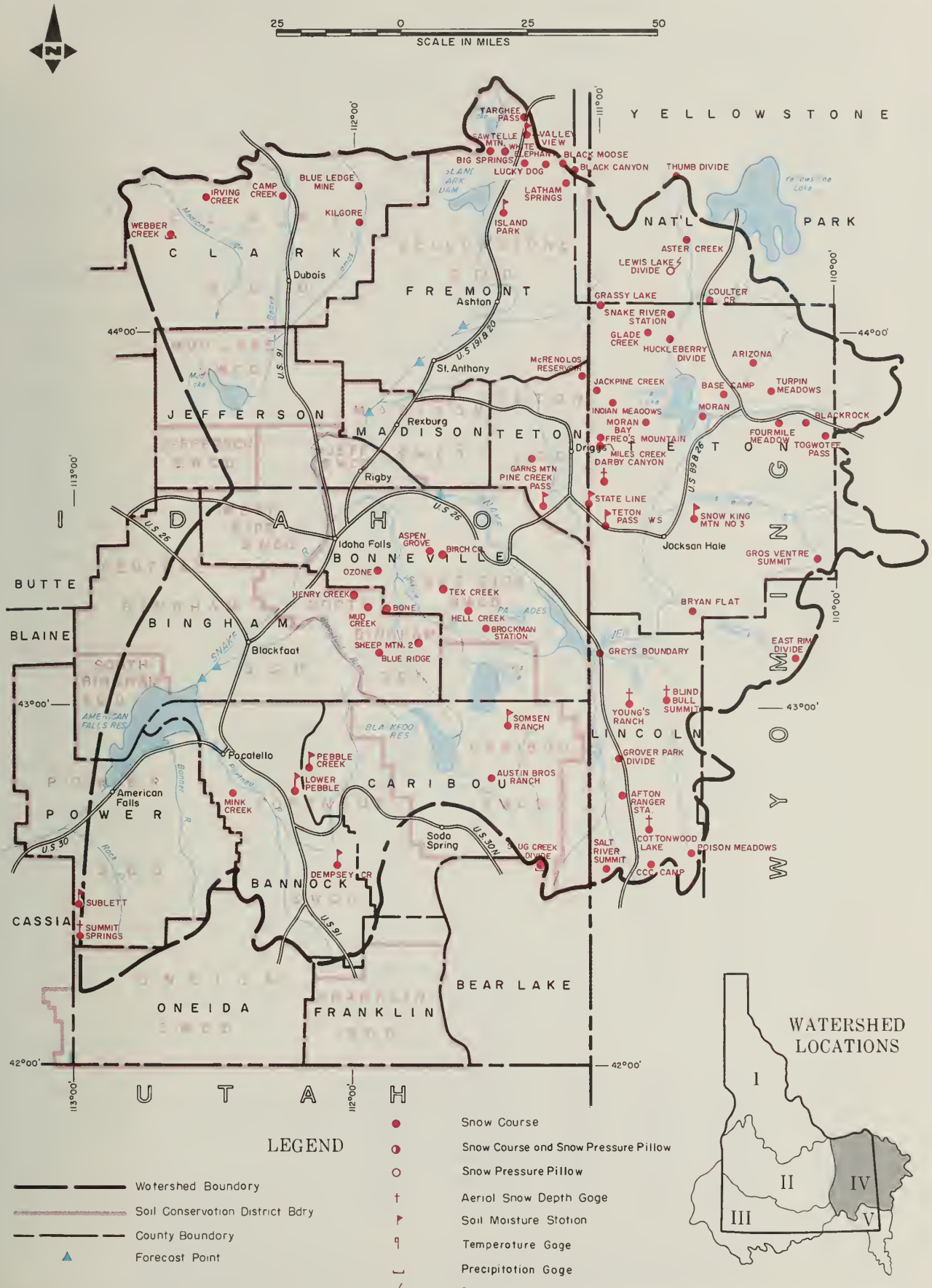
*(b) 1958-72, 15 year period. #Nat located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivulent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
South Mountain	6340	3/26	64	20.5	17.6	12.4
Succor Creek (A)	6100	3/29	36	12.6	3.8	4.6*
Triangle (A)	5150	3/29	T	T	0.0	0.2*
Vaught Ranch (A)	5950	3/29	18	6.3	0.0	1.3*
War Eagle (A)	7700	3/29	84	26.9	24.0	22.2*

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

UPPER SNAKE RIVER BASIN



LEGEND

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UPPER SNAKE RIVER BASIN

SNAKE RIVER - WYOMING

NO	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9FS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530

HENRYS FORK RIVER

NO	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E32	I	Sawtell Mountain	7	14N	43E	8720
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500
11E36	I	White Elephant	17	14N	43E	7700

TETON RIVER

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
10F21A	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8150
11F13	I	Garns Mountain	20	4N	44E	8300
10F25	Wy	Indian Meadows	31	46N	117W	8240
10F26	Wy	Jackpine Creek	15	46N	118W	7350
11F12	I	McRenolds Reservoir	5	7N	46E	6800
10F27	Wy	Miles Creek	13	44N	118W	7300
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6650
10F13M	Wy	Teton Pass W. S.	24	41N	118W	8400

CAMAS - BEAVER CREEK

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200

MEDICINE LODGE CREEK

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700

WILLOW CREEK

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F17	I	Blue Ridge	35	2S	39E	6800
11F8	I	Bone	29	1S	40E	6200
11F16	I	Brockman Station	19	2S	43E	6430
11F15	I	Hell Creek	27	1S	42E	7100
11F14	I	Mud Creek	3	2S	39E	7150
11F4	I	Ozone	14	1N	39E	5800
11F11	I	Sheep Mountain	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700

SAND CREEK

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
11F6	I	Henry Creek	7	1S	39E	5650

BLACKFOOT RIVER

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000

PORTNEUF RIVER

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE.	ELEV.
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (example)

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10J7P	SNOW COURSE AND PRECIPITATION GAGE.
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10J7A	SNOW COURSE AND AERIAL MARKER.
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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME		Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
UPPER SNAKE RIVER BASIN							
CAMAS-BEAVER CREEKS							
Blue Ledge Mine		6700	3/31	68	22.4	23.3	17.2
Camp Creek		6800	3/29	52	14.6	10.9	10.4
Kilgore		6200	3/31	43	14.4	12.0	10.9
MEDICINE LODGE CREEK							
Irving Creek		7035	3/31	31	8.0	--	5.3*
Webber Creek		6700	3/31	31	7.8	7.2	5.7*
HENRYS FORK RIVER							
Big Springs		6500	3/28	71	22.6	30.0	21.3
Black Canyon		7850	3/31	103	37.6	50.7	34.0*
Black Moose		8130	3/31	113	44.2	60.5	39.8*
Grassy Lake	Wyo.	7230	3/27	109	37.2	48.8	35.0
Island Park		6315	3/28	68	20.8	22.3	16.4
Latham Springs		7650	3/31	99	37.4	50.9	32.6*
Lucky Dog		6900	3/31	82	29.4	38.2	24.2*
Sawtell Mountain		8720	3/28	110	35.2	48.0	35.3*
Targhee Pass		7000	3/28	59	17.5	18.0	16.2*
Valley View		6500	3/28	61	19.2	19.7	17.7
White Elephant		7700	3/28	87	27.7	42.2	--
TETON RIVER							
Darby Canyon	Wyo.	8250	4/1	79	25.3	29.1	--
Freds Mountain	Wyo.	8150	4/1	79	24.8	30.1	--
Garns Mountain		8300	4/1	120	43.8	43.8	--
Indian Meadows	Wyo.	8240	4/1	116	40.6	48.8	--
Jackpine Creek	Wyo.	7350	4/1	76	24.7	28.6	--
McRenolds Reservoir		6800	4/1	70	22.9	23.9	--
Miles Creek	Wyo.	7300	4/1	51	15.1	15.9	--
Phillips Bench	Wyo.	8200	3/31	102	35.7	41.2	--
Pine Creek Pass		6750	4/1	62	20.2	22.8	17.7*
State Line		6650	4/1	57	17.5	17.3	14.9
Teton Pass W.S.	Wyo.	8400	3/31	85	28.7	37.2	--
WILLOW CREEK							
Aspen Grove		6600	3/28	50	13.5	14.2	11.3*
Birch Creek		6800	3/28	51	15.4	16.6	13.9*
Blue Ridge		6800	3/28	71	22.7	20.4	--
Bone		6200	3/28	30	8.9	7.9	6.8*
Brockman Station		6430	3/28	46	13.7	10.0	--
Hell Creek		7100	3/28	60	17.6	17.4	--

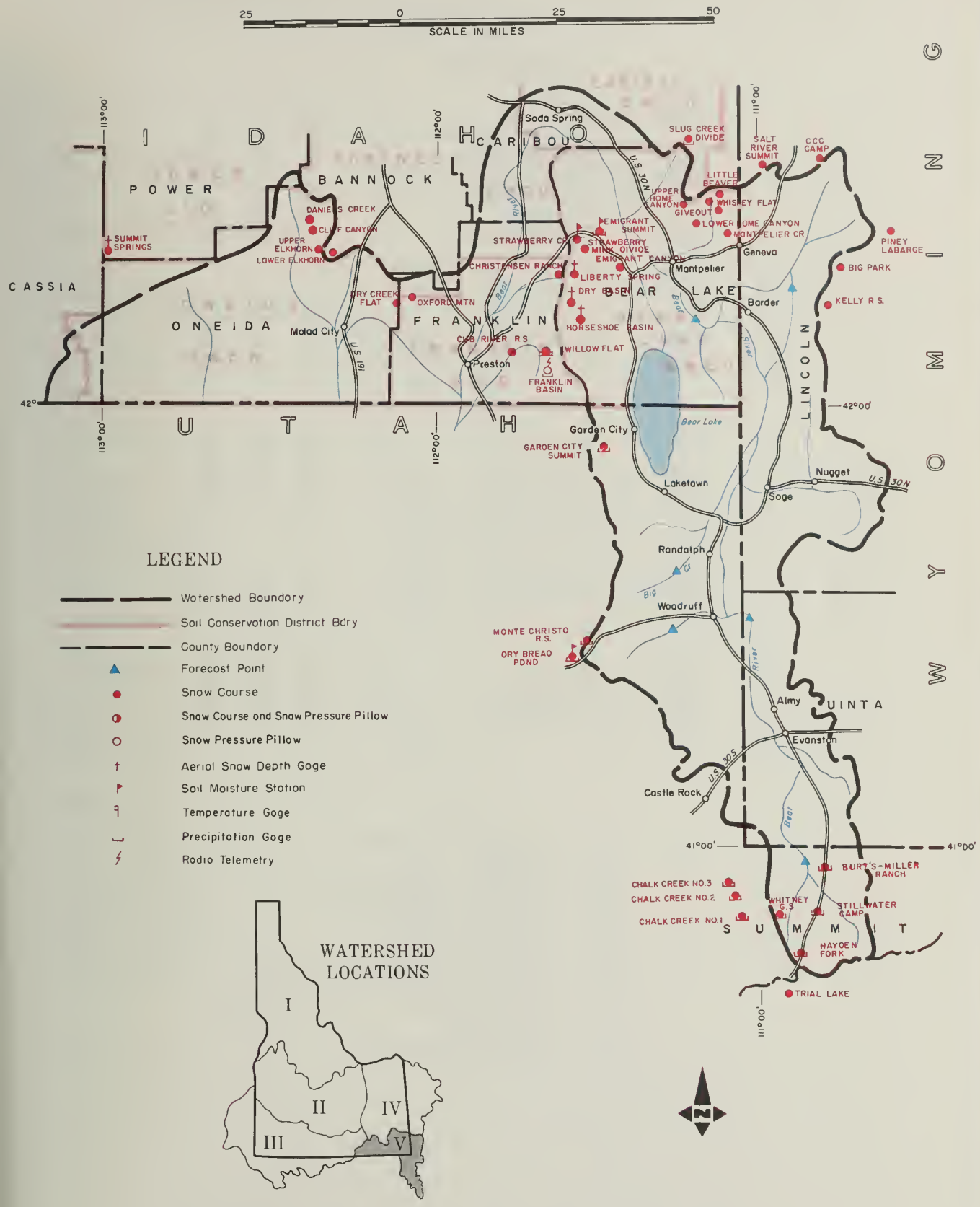
*(b) 1958-72, 15 year period. #Nat located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aeriol observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Rodioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average 6
Mud Creek	7150	3/28	58	16.5	--	--
Sheep Mountain	6510	3/28	51	14.5	15.9	13.3*
Tex Creek	6550	3/28	42	11.6	9.1	9.2*
SAND CREEK						
Henry Creek	5650	3/28	16	4.6	0.0	0.9*
BLACKFOOT RIVER						
Austin Bros. Ranch	6400	3/31	32	10.6	8.9	8.8
Slug Creek Divide	7230	3/31	68	20.2	15.0	17.3
Somsen Ranch	7000	3/31	60	17.2	17.4	13.5
PORTNEUF RIVER						
Dempsey Creek	6280	3/31	58	18.0	13.2	12.4
Lower Pebble	5800	3/31	51	16.9	14.0	12.8*
Mink Creek	6400	3/31	76	25.7	22.3	17.4
Pebble Creek	6550	3/31	60	19.2	17.9	16.7

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radiooctive Gage snow-water equivalent.*

GREAT BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. / LAT.	TWP. OR AND	RGE. / LONG.	ELEV.

GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Criato R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

MONTPELIER CREEK

11G16	I	Giveout	2	12S	45E	6840
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14A	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15A	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G13	I	Cliff Canyon	13	12S	35E	7200
12G12	I	Daniela Creek	11	12S	35E	6400
12G4	I	Dry Creek Flat	28	13S	37E	6480
12G11	I	Lower Elkhorn	30	12S	36E	7000
12G3	I	Oxford Mountain	27	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	3/28	93	28.6	29.4	25.4
Emigration Canyon	6500	3/28	44	13.5	9.2	10.7
Montpelier Creek						
Giveout	6840	4/1	52	14.9	12.1	12.5*
Little Beaver	6970	3/31	59	17.6	14.7	16.1*
Lower Home Canyon	7500	4/1	56	16.3	14.6	--
Montpelier Creek	6570	4/1	32	10.2	6.8	8.4*
Upper Home Canyon	8500	3/31	81	25.7	24.5	--
Whiskey Flat	6985	4/1	39	11.7	8.1	9.3*
Mink Creek						
Christensen Ranch	5600	4/1	33	10.6	8.5	7.1
Dry Basin	7900	4/1	96	32.6	32.9	30.0*
#Emigrant Summit	7350	3/28	93	28.6	29.4	25.4
Horseshoe Basin	8000	4/1	82	27.4	28.2	28.1*
Liberty Spring	8600	4/1	118	40.8	46.8	40.1*
Strawberry Creek	5800	3/28	41	13.5	12.6	10.0
Strawberry-Mink Divide	6800	4/1	78	26.4	24.9	21.5
Cub River						
Cub River R. S.	5400	4/1	33	12.0	9.5	6.1
#Franklin Basin	8000	4/1	82	28.7	33.9	28.6
Willow Flat	6100	4/1	57	20.4	17.0	14.4
MALAD RIVER						
Cliff Canyon	7200	3/31	44	13.3	9.8	--
Daniels Creek	6400	3/31	21	5.9	4.5	--
Dry Creek Flat	6480	3/31	35	11.0	5.9	3.3
Lower Elkhorn	7000	3/31	53	17.6	12.1	13.1*
Oxford Mountain	6800	3/31	46	13.0	8.5	8.9
Upper Elkhorn	7100	3/31	70	22.2	18.6	18.7*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	3/28	7.8	--	10.8
Lookout	5250	48	11.0	3/28	7.7	8.6	7.6
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	4/2	3.2*	4.2	4.1
Lemhi River							
Above Gilmore	8200	60	5.4	4/2	1.7*	--	3.3
Meadow Lake	9100	48	4.4	4/2	Frozen	2.6	2.1
LITTLE LOST RIVER							
Wet Creek Summit	8175	48	17.1	3/28	12.4*	13.2	12.4
BIG WOOD RIVER							
Galena	7300	48	10.1	3/26	6.0*	--	5.8
Galena Summit	8795	48	5.8	3/26	Frozen	--	Frozen
RAFT RIVER							
Conner Pass	5700	36	9.8	4/4	9.2	--	--
Howell Canyon	8000	48	11.5	4/4	8.2	--	8.8
Sheep Hollow	6200	36	7.5	4/4	6.4	--	--
GOOSE CREEK							
Badger Gulch	6660	36	7.0	4/4	5.6	--	6.1
SALMON FALLS CREEK							
Deadline	6900	36	7.4	3/24	5.8	7.1	7.1
Patrick Ranch	5720	36	7.7	3/30	6.9	--	6.9
Pole Creek R. S.	8330	48	9.7	3/30	7.1	8.1	7.8

*Partially Frozen.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

States:

Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U.S. Army Engineers

U.S. Department of Agriculture
Forest Service
Agriculture Research Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
MAY 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.
SCS PHOTO [illegible]-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
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Released by

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BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
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DEPARTMENT OF WATER RESOURCES
STATE OF IDAHO

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BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR MAY 1, 1975

The 1975 water supply outlook is good to excellent throughout Idaho. Seasonal streamflow is forecast for above average on all watersheds, ranging from 113% of normal for the Snake River at Heise to 204% of average for Salmon Falls Creek. Inflow to Owyhee Reservoir in eastern Oregon is forecast at 232% of normal.

Reservoir storage is good to excellent and many reservoirs are being lowered in anticipation of high volume runoff when snowmelt begins.

Snow cover as of May 1 was above normal throughout the state. Exceptionally cool and wet weather which began in mid-March continued through April. Snow-water equivalent increased during the month on all high elevation snow courses, remained constant at middle elevations, and decreased at low elevations. Many low elevation courses have snow remaining for the first time on record.

April precipitation was above normal in all areas of Idaho, with valley precipitation generally in the range of 140% to 180% of the long term averages.

Even more notable were the extraordinarily cool temperatures which delayed the snowmelt and kept most streamflows unseasonably low. In Idaho, this ranks among the three coldest Aprils of record. The average daytime maximum temperature of 53.9 degrees was the lowest ever recorded at Boise for April. The average daytime maximum temperatures for April were 7.1 degrees below normal at Lewiston, 7.5 degrees below normal at Boise, and 8.5 degrees below normal at Pocatello.

The wet weather and delayed snowmelt have created an excessive low elevation snowpack. In a normal year, there would be little or no snow remaining below elevations of about 5,000 feet by the end of April, but several areas still have a significant low-level snowpack.

A gradual warmup without rain would produce an orderly runoff without any serious problems. Rapid and prolonged warming accompanied by heavy rain could cause widespread flooding in most streams without flood control reservoirs.

Among the drainages with the potential for high volume, rapid runoff are the Big Wood (especially at and below Magic Reservoir), the Little Wood River, and Fish Creek. In southeastern Idaho, this potential exists at Mud Lake, on Willow Creek, and within the Portneuf River basin.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MAY 1, 1975

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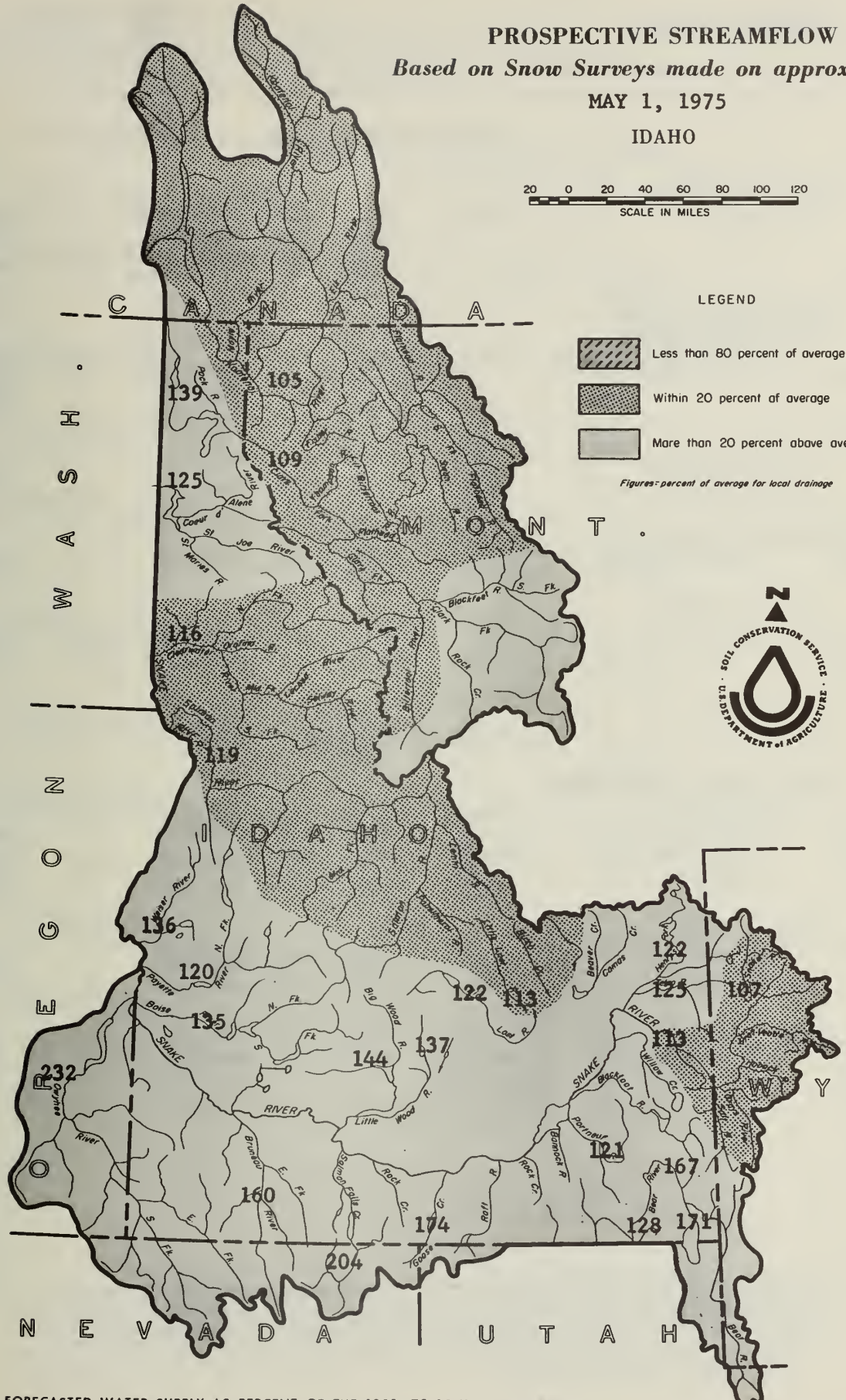


FORECASTED WATER SUPPLY AS PERCENT OF THE 1958—72 15 YEAR AVERAGE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST [c] Thousand Acre Feet	THIS YEAR FORECAST [c] Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [+]
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	8650	105	May-Sep	--	8262
		7550	106	May-Jul	--	7146
		5900	105	May-Jun	--	5620
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	13500	109	May-Sep	--	12533
		12300	111	May-Jul	--	11283
		10400	111	May-Jun	--	9523
Priest River						
Priest River 1/	(nr)	950	139	May-Jul	--	685
SPOKANE RIVER						
Post Falls 2/	(at)	2550	125	May-Sep	--	2034
St. Joe River						
Calder	(at)	1250	119	May-Sep	--	1047
		1190	122	May-Jul	--	978
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	920	107	Apr-Sep	--	858
Heise 4/	(nr)	4300	113	May-Sep	--	3640
Blackfoot 5/	(nr)	4575	120	May-Jul	--	3812
Weiser	(at)	6190	122	May-Sep	--	5076
Henrys Fork						
Ashton 6/	(nr)	695	122	May-Sep	--	569
Rexburg 7/	(nr)	1500	123	May-Sep	--	1226
Teton River						
St. Anthony	(nr)	500	125	May-Sep	--	398

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Portneuf River						
Topaz	(at)	80	121	May-Sep	--	66
Oakley Reservoir Inflow		32	174	May-Sep	--	18.4
Salmon Falls Creek						
San Jacinto	(nr)	110	204	May-Sep	--	54
		102	205	May-Jul	--	50
Bruneau River						
Hot Springs	(nr)	260	160	May-Sep	--	163
Little Lost River						
Howe	(nr)	40	113	May-Sep	--	35.5
Big Lost River						
Howell Ranch	(at)	235	119	May-Sep	--	198
		170	124	May-Jun	--	137
Mackay 1/	(nr)	205	122	May-Sep	--	168
Big Wood River						
Magic Reservoir		300	144	May-Sep	--	209
Inflow 2/		280	144	May-Jul	--	194
Little Wood River						
High Five Creek	(ab)	100	137	May-Sep	--	73
Boise River						
Twin Springs	(nr)	800	134	May-Sep	--	597
		745	137	May-Jul	--	542
Boise 3/	(nr)	1750	135	May-Sep	--	1276
South Fork						
Anderson Dam 4/	(at)	690	141	May-Sep	--	491
Owyhee River						
Gold Cr., Nev. 5/	(nr)	30	375	May-Jul	--	8
Owyhee, Nev. 5/	(nr)	110	268	May-Jul	--	41
Lake Owyhee		418	232	May-Sep	--	180
net inflow 6/		372	237	May-Jul	--	157

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

\+ 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST (c) Thousand Acre Feet	THIS YEAR FORECAST (c) Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
Payette River						
Horseshoe Bend 1/	(nr)	1850	120	May-Sep	--	1536
Banks 2/	(nr)	1040	125	May-Jul	--	830
North Fork						
Cascade 3/	(at)	560	119	May-Sep	--	471
Banks 3/	(nr)	700	119	May-Sep	--	589
Weiser River						
Weiser ab. Crane Creek 4/		370	136	May-Sep	--	274
Salmon River						
Whitebird	(at)	7500	119	May-Sep	--	6311
Clearwater River						
Spalding	(at)	8000	116	May-Sep	--	6892
GREAT BASIN						
BEAR RIVER						
Harer	(at)	405	171	May-Sep	--	237
Montpelier Creek						
Montpelier	(nr)	17	167	May-Sep	--	10.2
Cub River						
Preston	(nr)	59	128	May-Sep	--	46.1

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. † 1958-1972 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Spring April 1975		Fall - Winter Nov. 74 - Apr. 75	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U.S.	1.13	-0.48	19.78	+4.05
Flathead	1.53	-0.18	12.10	-0.74
Clark Fork	2.09	+1.03	7.04	+1.03
Pend Oreille-Spokane	1.93	-0.37	23.47	+2.42
Upper Snake	2.56	+0.77	12.71	+0.81
Snake River Plain	1.68	+0.72	7.22	+1.35
Salmon-Payette-Boise	2.01	+0.54	15.14	+1.63
Clearwater	3.31	+0.14	20.33	+1.52
Owyhee-Malheur	1.65	+0.89	7.68	+1.29

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-72) drainage division average.

RESERVOIR STORAGE (1,000 Ac. Ft.)

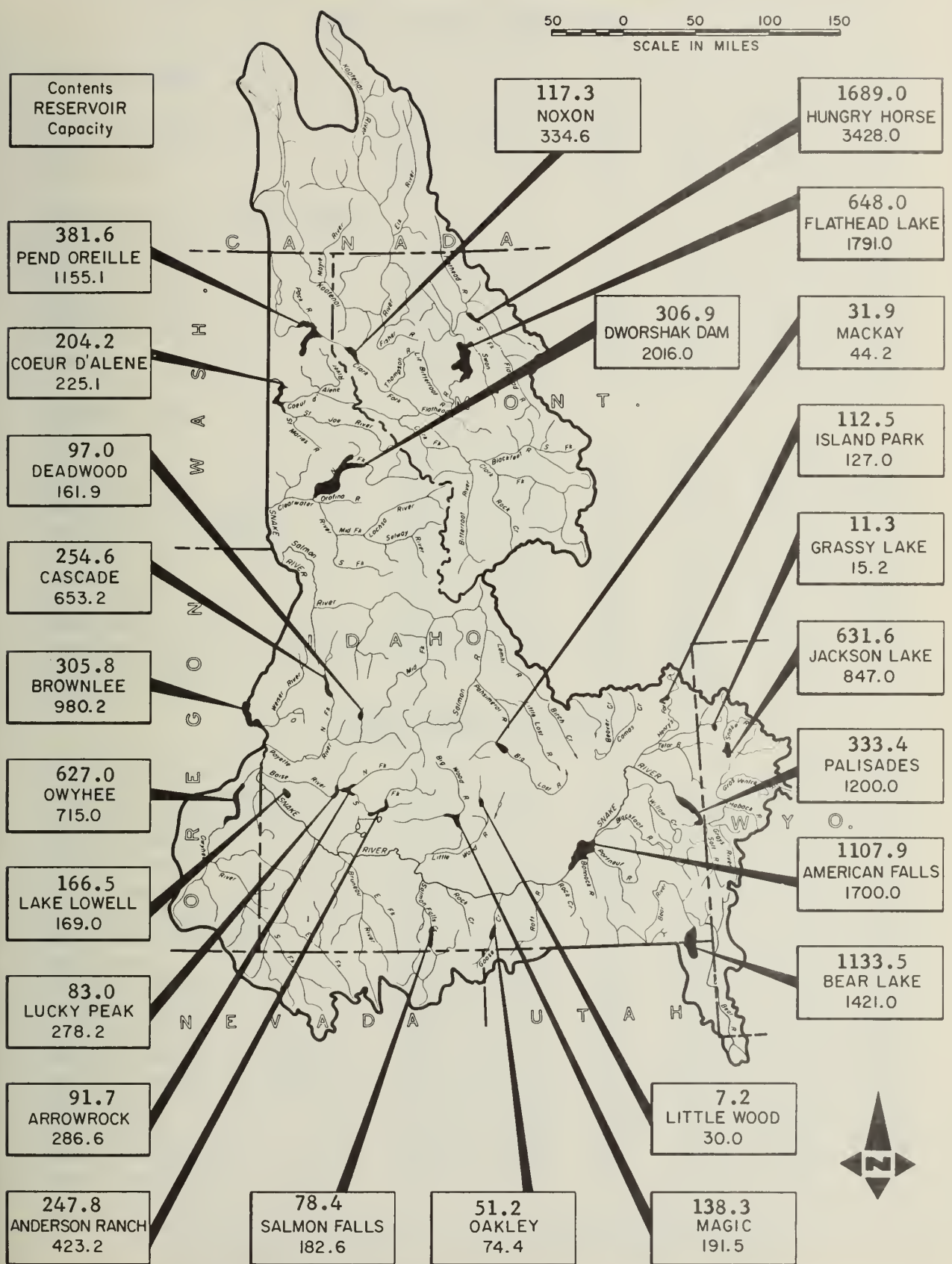
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1689.0	1522.0	2006.0
Flathead	1791.0	648.0	1221.0	977.9
Pend Oreille	1155.1	381.6	698.5	534.3
Noxon	334.6	117.3	207.6	138.4
Spokane				
Coeur d'Alene	225.1	204.2	419.1	253.1
SNAKE BASIN				
Snake				
Jackson Lake	847.0	631.6	499.2	501.7
Palisades	1200.0	333.4	425.9	774.4
American Falls	1125.0	1107.9	1218.3	1089.7
Island Park	127.0	112.5	110.5	132.1
Grassy Lake	15.2	11.3	11.2	10.9
Brownlee	980.2	305.8	270.9	432.9*
Goose-Trapper Creeks				
Oakley	74.4	51.2	59.5	27.3
Salmon Falls Creek				
Salmon Falls	182.6	78.4	120.1	59.4
Big Lost				
Mackay	44.2	31.9	41.3	31.7
Big Wood				
Magic	191.5	138.3	191.5	170.2
Little Wood				
Little Wood	30.0	7.2	20.4	24.6
Fish Creek				
Carey Valley	14.4	10.6	13.0	--
Boise				
Anderson Ranch	423.2	247.8	297.3	282.0
Arrowrock	286.6	91.7	240.7	231.4
Lucky Peak	278.2	83.0	93.8	142.5
Lake Lowell (Deer Flat)	169.0	166.5	150.8	155.4
Owyhee				
Owyhee	715.0	627.0	712.7	563.7
Payette				
Cascade	653.2	254.6	248.6	353.8
Deadwood	161.9	97.0	72.5	92.4
Weiser				
Mann Creek	11.1	7.4	10.3	--
Clearwater				
Dworshak	2016.0	306.9	186.8	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1133.5	1155.8	1040.0

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1975



SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average b/
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	5/1	161	71.5	118.0	68.8*
Halverson Creek	4850	5/1	122	56.7	--	49.7*
Smith Creek	4800	5/1	121	57.5	75.6	48.6
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	4/30	0	0.0	0.0	0.0
Benton Spring	4900	4/30	60	25.0	27.0	15.7
Mosquito Ridge	5110	5/1	106	46.0	--	--
Schweitzer Bowl	4500	4/29	94	41.9	42.2	26.6*
Schweitzer Ridge	6100	4/29	155	70.2	70.5	50.6*
SPOKANE RIVER						
Above Burke	4100	4/25	76	33.6	28.8	--
Copper Ridge	4800	4/29	76	31.0	37.5	27.3
#Forty-nine Meadows	5000	4/30	81	31.0	34.5	30.3*
Fourth of July Summit	3100	4/25	14	5.5	0.0	--
Granite Peak	6000	4/30	133	46.2	60.4	48.3*
Lookout	5250	4/25	106	45.6	47.2	36.7
#Lost Lake	6000	4/30	155	59.6	104.0	62.0*
Lower Sands Creek	3400	4/29	54	23.0	27.1	16.0
Medicine Ridge	6150	4/30	130	47.4	59.8	51.5*
Mosquito Ridge	5110	5/1	106	46.0	--	--
LOWER SNAKE RIVER BASIN						
Cayuse Airstrip	3700	5/1	22	7.9	1.2	0.3*
Coolwater Mountain	6200	5/1	122	42.2	42.1	34.5*
Coolwater Mountain (SP)	6200	5/1	--	38.8	40.8	--
Crater Meadows	6100	5/1	131	50.2	56.6	50.2*
Crooked Fork	3600	4/28	33	13.4	7.6	--
Elk Butte	5550	4/30	108	41.0	49.4	36.1*
Fish Lake Airstrip	5000	5/1	124	44.4	49.8	42.6*
Forty-nine Meadows	5000	4/30	81	31.0	34.5	30.3*
Goat Lake	6600	5/1	140	52.0	61.8	54.7*
#Granite Peak	6000	4/30	133	46.2	60.4	48.3*
Hemlock Butte	5500	5/1	153	56.4	64.8	54.4*
#Hoodoo Basin Mont.	6000	5/2	137	60.8	75.2	55.2
#Hoodoo Basin (SP) Mont.	6000	4/30	--	55.7	--	55.5
#Hoodoo Creek Mont.	5900	5/2	128	57.6	72.2	52.2
Lolo Pass	5250	4/28	96	37.8	40.5	32.3
Lost Lake	6000	4/30	155	59.6	104.0	62.0*
#Medicine Ridge	6150	4/30	130	47.4	59.8	51.5*
#Nez Perce Pass Mont.	6575	5/2	69	28.0	23.0	15.6

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aeriul observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
Orogrande Mountain	7800	5/1	150	48.0	48.2	47.5*
Pierce Ranger Station	3170	4/30	23	9.2	0.0	1.3
Powell Ranger Station	3410	4/28	21	8.9	3.2	0.0
Savage Pass	6160	4/29	92	34.4	35.1	29.2
Savage Pass (New)	6160	4/29	94	34.3	35.8	--
Shanghai Summit	4600	5/1	85	32.0	35.9	24.0*
SALMON RIVER						
Big Creek Summit	6600	5/1	111	46.5	58.6	37.0
#Boulder Creek	5500	4/28	75	32.2	31.6	15.7*
Brundage Mountain	7560	4/28	150	62.2	65.8	51.9*
#Deadwood Summit	7000	4/29	124	54.3	71.5	48.4*
#Galena Summit	8795	5/2	99	36.5	42.0	26.0
#Gibbons Pass Mont.	7100	4/30	92	33.9	31.9	24.2
#Lemhi Pass Mont.	7480	5/2	48	16.0	--	--
#Lemhi Ridge Mont.	8100	5/2	57	19.6	--	--
Mill Creek Summit	8870	4/30	82	29.8	37.4	25.6*
Moose Creek	6200	4/30	70	25.4	20.0	16.0*
Morgan Creek	7580	5/1	65	21.8	16.8	13.1*
#Rock Flat Summit	5200	4/29	64	23.9	25.2	16.5*
#Secesh Summit	6440	4/26	107	44.8	60.3	--
#Squaw Meadow	5800	4/26	105	45.0	56.8	36.5*
Vienna Mine	8900	4/29	123	49.2	62.5	37.9*
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
BIG LOST RIVER						
Bear Canyon	7920	4/28	62	20.5	27.2	--
Copper Basin	7650	4/28	40	14.0	9.8	--
Fishpole Lake	9350	4/28	86	28.9	--	--
Lost-Wood Divide	7900	4/28	81	29.5	39.5	--
Stickney Mill	7500	4/28	43	13.7	T	--
LITTLE WOOD RIVER						
#Bear Canyon	7920	4/28	62	20.5	27.2	--
Garfield Ranger Station	6554	5/1	34	12.6	0.0	--
Muldoon	6300	5/1	19	7.0	0.0	--
Swede Peak	7650	5/1	60	23.0	17.3	15.0*
BIG WOOD RIVER						
Galena	7300	5/2	68	25.8	26.8	15.5
Galena Summit	8795	5/2	99	36.5	42.0	26.0
Graham Ranch	6200	5/2	42	15.5	6.6	7.0*
#Lost-Wood Divide	7900	4/28	81	29.5	39.5	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Average (b)
Mascot Mine	7900	4/28	55	17.7	18.8	--
Mount Baldy	9000	4/30	86	26.9	31.4	22.7
Soldier Ranger Station	6100	4/30	28	11.1	0.0	--
#Vienna Mine	8900	4/29	123	49.2	62.5	37.9*
BOISE RIVER						
Atlanta Summit	7500	4/29	121	47.7	49.6	36.1
Bad Bear	5500	4/29	43	16.4	8.9	5.0*
#Bogus Basin	6120	4/30	102	38.2	25.5	23.2
Bogus Basin Road	5360	4/30	18	6.6	0.0	0.0
Jackson Peak	7000	4/29	100	40.1	48.9	31.8*
Moores Creek Summit	6100	4/29	108	44.0	45.0	31.9
#Soldier Ranger Station	6100	4/30	28	11.1	0.0	--
Trinity Mountain	7780	4/29	133	56.0	63.6	44.2*
#Vienna Mine	8900	4/29	123	49.2	62.5	37.9*
PAYETTE RIVER						
#Big Creek Summit	6600	5/1	111	46.5	58.6	37.0
Bogus Basin	6120	4/30	102	38.2	25.5	23.2
#Brundage Mountain	7560	4/28	150	62.2	65.8	51.9*
Crawford Ranger Station	4800	5/1	15	5.9	0.0	0.0
Deadwood Airstrip	5440	4/29	44	19.8	8.9	7.3*
Deadwood Summit	7000	4/29	124	54.3	71.5	48.4*
#Jackson Peak	7000	4/29	100	40.1	48.9	31.8*
Lake Fork	6000	5/1	54	22.1	20.4	--
Rock Flat Summit	5200	4/29	64	23.9	25.2	16.5*
Secesh Summit	6440	4/26	107	44.8	60.3	--
Squaw Meadow	5800	4/26	105	45.0	56.8	36.5*
WEISER RIVER						
Boulder Creek	5500	4/28	75	32.2	31.6	15.7*
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	4/30	93	32.6	18.8	20.0*
Cedar Creek (A)	7000	4/30	50	17.6	0.0	3.1
Deadline	6900	4/29	100	38.8	26.4	19.5
Goat Creek Nev.	8800	4/29	85	27.5	18.4	20.1
#Hummingbird Springs(A) Nev.	8945	4/30	119	41.3	26.9	26.2
Magic Mountain	6700	4/29	80	29.8	24.7	15.9
#Pole Creek R. S. Nev.	8330	4/29	99	34.6	26.1	22.7
Red Point (A) Nev.	7940	4/30	53	18.4	0.0	--
Shoshone Basin	5740	4/29	30	9.8	--	--
Wilson Creek (A)	7500	4/30	52	18.6	0.0	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME		Elevation	THIS YEAR Date of Survey	Snow Depth (inches)	Water Content (inches)	PAST RECORD Water Content (inches) Last Year	Average [b]
BRUNEAU RIVER							
Bear Creek (A)	Nev.	7800	4/30	93	32.6	18.8	20.0*
Hummingbird Springs (A)	Nev.	8945	4/30	119	41.3	26.9	26.2
Pole Creek R. S.	Nev.	8330	4/29	99	34.6	26.1	22.7
#Seventy-six Creek (A)	Nev.	7100	4/30	42	16.0	T	--
OWYHEE RIVER							
#Bear Creek (A)	Nev.	7800	4/30	93	32.6	18.8	20.0*
#Seventy-six Creek (A)	Nev.	7100	4/30	42	16.0	T	--
Silver City		6400	5/6	60	23.0	15.1	8.9*
UPPER SNAKE RIVER BASIN							
HENRYS FORK RIVER							
Big Springs		6500	4/30	64	24.2	23.3	17.1*
Black Canyon		7850	4/29	107	43.4	52.0	--
Black Moose		8130	4/29	124	52.8	59.8	--
Grassy Lake	Wyo.	7230	4/29	106	43.1	49.2	34.3*
Island Park		6315	4/30	57	21.4	15.8	10.2
Latham Springs		7650	4/29	103	41.0	52.0	--
Lucky Dog		6900	4/29	84	32.9	35.4	--
Sawtell Mountain		8720	4/30	115	43.4	49.9	38.1*
Targhee Pass		7000	4/30	49	17.3	15.9	15.4*
Valley View		6500	4/30	58	22.5	11.8	14.2*
White Elephant		7700	4/30	83	31.7	39.5	--
TETON RIVER							
Darby Canyon	Wyo.	8250	4/30	93	30.8	30.9	--
Freds Mountain	Wyo.	8150	4/30	91	30.3	30.7	--
Garns Mountain		8300	4/30	112	42.6	49.1	--
Indian Meadows	Wyo.	8240	4/30	124	46.3	51.8	--
Jackpine Creek	Wyo.	7350	4/30	83	30.3	28.5	--
McRenolds Reservoir		6800	4/30	76	28.1	19.9	--
Miles Creek	Wyo.	7300	4/30	55	18.6	10.9	--
Phillips Bench	Wyo.	8200	4/30	100	37.2	43.1	--
Pine Creek Pass		6750	4/30	63	22.8	20.1	12.5*
State Line		6650	4/30	58	20.2	13.2	8.4
Teton Pass W.S.	Wyo.	8400	4/30	96	35.0	38.3	--
WILLOW CREEK							
Aspen Grove		6600	4/28	56	17.2	0.0	--
Birch Creek		6800	4/28	56	19.2	0.0	--
Blue Ridge		6800	4/28	66	25.6	3.3	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
Bone	6200	4/28	22	7.0	0.0	--
Brockman Station	6430	4/28	39	14.4	0.0	--
Hell Creek	7100	4/28	56	20.4	2.5	--
Mud Creek	7150	4/28	62	22.1	7.2	--
Sheep Mountain	6510	4/28	45	15.4	0.0	--
Tex Creek	6550	4/28	50	14.0	0.0	--
BLACKFOOT RIVER						
Slug Creek Divide	7230	5/1	57	21.6	12.9	--
GREAT BASIN						
BEAR RIVER						
Montpelier Creek						
Giveout	6840	5/1	38	15.5	0.0	6.7*
Little Beaver	6970	5/1	49	19.4	0.0	11.6*
Lower Home Canyon	7500	5/1	47	18.0	8.8	--
Montpelier Creek	6570	5/1	19	6.9	0.0	--
Upper Home Canyon	8500	5/1	82	29.5	23.2	--
Whiskey Flat	6985	5/1	27	10.6	0.0	3.2*
Cub River						
#Franklin Basin	8000	4/29	91	35.4	--	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	4/25	9.1	10.0	10.2
Lookout	5250	48	11.0	4/25	8.5	8.6	8.4
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	4/30	2.7*	6.6	3.4
BIG WOOD RIVER							
Galena	7300	48	10.1	5/2	6.6	--	9.1
Galena Summit	8795	48	5.8	5/2	1.7	--	1.7
SALMON FALLS CREEK							
Patrick Ranch	5720	36	7.7	4/29	6.8	--	6.7
HENRYS FORK RIVER							
Island Park	6315	48	9.9	4/30	9.5	10.7	9.5
BEAR RIVER							
Montpelier Creek							
Giveout Pass	7025	36	9.4	5/1	8.0	7.9	4.3
Jenson Ranch	6580	48	18.7	5/1	15.8	15.4	13.1

*Partially Frozen.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

States:

Idaho Department af Water Resaurces
State af Idaha Department af Fish and Game
University af Idaha
Idaha State University
Mantana Agricultural Experiment Statian
Mantana State Water Canservation Board
Montana Caaperative Snaw Surveys
Nevada Coaperative Snaw Surveys
Oregan Agricultural Experiment Statian
Oregan Caoperative Snow Surveys
Oregan State Engineer and Carps of
State Watermasters
Utah Caaperative Snaw Surveys
Wyoming Caaperative Snow Surveys

Federal:

U.S. Army Engineers

U.S. Department af Agriculture
Farest Service
Agriculture Research Service

U.S. Department af Commerce
NOAA, Natianal Weather Service

U.S. Department af the Interior
Banneville Pawer Administratian
Bureau af Reclamatian
Fish and Wildlife Service
Water Resaurces Division, Geolagical Survey
National Park Service
Bureau af Land Management

PUBLIC UTILITIES

The Mantana Power Company
Washingtan Water Power Campany
Idaho Pawer Campany
Utah Power and Light Campany

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigatian District
Blaine Sail Canservation District
Baise Praject Baard af Cantral
Idaho Water District #01
Little Woad River Irrigatian District
Mann Creek Irrigatian District
Salmon Falls Creek Irrigatian Campany
Twin Falls Soil Conservation District
Big Wood Irrigation Campany
Owyhee Praject - Narth & Sauth Board af Cantral

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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304 N. 8TH ST.
BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK FOR IDAHO

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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
JUNE 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.
SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER RESOURCES
STATE OF IDAHO

Report prepared by

JACK A. WILSON, Snow Survey Supervisor
and
MARION O. CARSTENS, Statistical Assistant

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SNOW SURVEY SECTION
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BOISE, IDAHO 83702

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WATER SUPPLY OUTLOOK for IDAHO

JUNE 1, 1975

SNOW SURVEYS, SUPPLEMENTAL MEASUREMENTS AND CORRECTIONS

The outlook for water supply for 1975 is good to excellent throughout Idaho with seasonal streamflow forecasts above normal on all major streams.

Exceptionally cool and wet weather which began in mid-March continued through April and May. The cool temperatures have delayed the snowmelt well beyond the normal snowmelt season, particularly at the higher elevations. Snow surveys near June 1 indicate record to near record snow-water remaining at high elevations throughout the state.

Snowmelt from low and middle elevations has produced minor flooding in northern and eastern Idaho. Alternating warm and cool periods have resulted in fluctuating high water periods, keeping flooding below the very damaging level. A flood potential still exists in the heavy snowpack if we experience a prolonged hot spell or a combination of warm temperatures and rain.

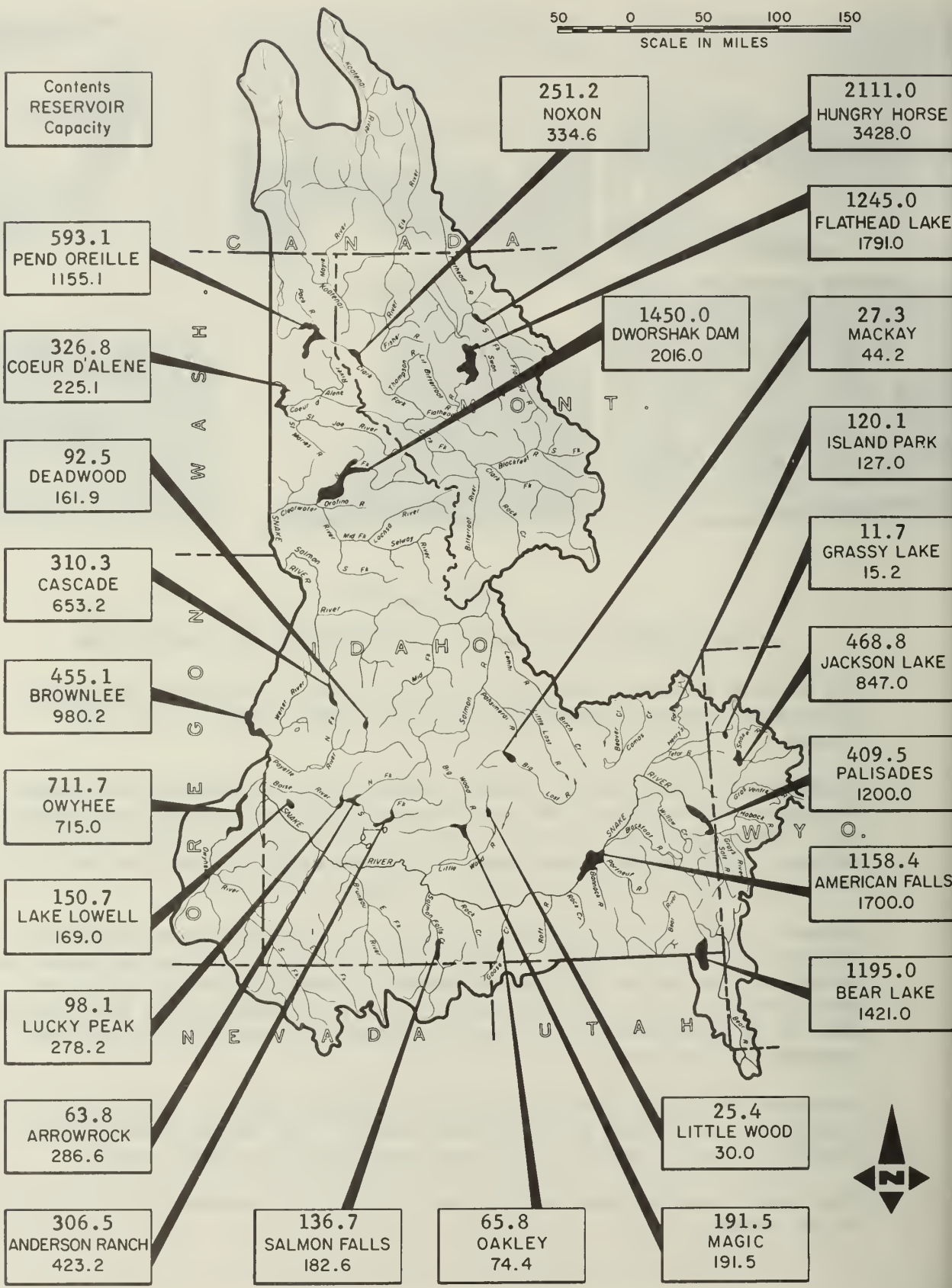
Reservoir storage is good to excellent, though many are being kept at a low level in anticipation of heavy runoff. All major reservoirs are expected to be filled by the time major irrigation demand begins.

This report carries supplemental and corrected measurements made earlier in the season.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JUNE 1, 1975



SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average (b)
JUNE 1, 1975 MEASUREMENTS						
Aspen Grove	6600	5/30	17	7.2	--	--
Atlanta Summit	7500	5/28	88	41.4	30.9	--
Badger Gulch	6660	5/29	18	9.1	--	--
Bear Canyon	7920	5/29	37	15.2	T	--
Big Creek Summit	6600	5/30	73	39.8	47.4	--
Birch Creek	6800	5/30	3	1.4	--	--
Blue Ridge	6775	5/30	20	10.3	--	--
Bostetter Ranger Station	7500	5/29	58	28.0	--	--
Boulder Creek	5500	6/2	5	2.8	0.0	--
Brundage Mountain	7560	5/28	108	52.8	62.0	--
Coolwater Mountain	6200	5/30	83	36.2	22.8*	--
Copper Basin	7650	5/29	15	5.5	--	--
Crater Meadows	6100	5/30	95	46.8	39.6*	--
Crawford Ranger Station	4800	5/30	0	0.0	0.0	--
Darby Canyon	8250	5/30	65	28.6	19.2	--
Elk Butte	5550	5/29	54	23.6	20.0*	--
Fish Lake Airstrip	5000	5/30	76	34.8	25.6*	--
Fishpole Lake	9350	5/29	61	25.2	--	--
Freds Mountain	8000	5/30	67	28.1	21.3	--
Galena	7300	5/28	34	15.8	3.4	--
Galena Summit	8795	5/28	77	33.9	32.0	--
Garns Mountain	8300	5/30	102	48.0	30.8	--
Goat Lake	6600	5/30	117	51.8	49.0*	--
Granite Peak	6000	5/29	99	42.1	44.8	--
Hemlock Butte	5500	5/30	103	47.2	43.2*	--
Indian Meadows	8200	5/30	100	47.2	42.7	--
Jackpine	7500	5/30	56	27.6	14.3	--
Jackson Peak	7000	5/28	73	35.6	26.8	--
Lake Fork	6000	6/1	11	5.5	3.0	--
Lookout	5250	5/30	54	28.8	34.2	--
Lost Lake	6000	5/29	125	58.2	83.6	--
Lost-Wood Divide	7900	5/29	47	21.4	--	--
Mascot Mine	7900	5/29	28	10.9	T	--
McRenold Reservoir	6800	5/30	47	20.9	0.0	--
Medicine Ridge	6150	5/29	100	43.4	52.6	--
Miles Creek	7500	5/30	21	9.2	0.0	--
Moores Creek Summit	6100	5/28	65	33.0	26.7	8.1
Mud Creek	7150	5/30	22	10.3	--	--
Orogrande Mountain	7800	5/30	134	53.6	44.0*	--
Pine Creek Pass	6750	5/30	20	9.3	0.0	--
Secesh Summit	6600	5/30	67	36.2	46.9	--
South Mountain	6340	5/27	17	8.5	--	--
Squaw Meadow	5800	5/30	56	35.6	37.5	--
State Line	6400	5/30	14	6.4	0.0	--
Stickney Mill	7500	5/29	T	T	--	--
Trinity Mountain	7780	5/28	99	49.6	39.6	--
Vienna Mine	8900	5/28	90	45.0	47.5	--

*June 12, 1974 Measurement.

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [b]

SUPPLEMENTAL MEASUREMENTS

JANUARY 15, 1975

Atlanta Summit	7500	1/17	57	15.6	--	--
Mount Baldy	9000	1/14	38	8.4	16.4	--
Pierce Ranger Station	3170	1/15	40	9.3	8.3	--

FEBRUARY 15, 1975

Atlanta Summit	7500	2/18	94	27.2	--	--
Bad Bear	5500	2/14	42	13.2	--	--
Bogus Basin	6120	2/13	72	20.8	--	--
Bogus Basin Road	5360	2/13	33	10.4	--	--
Galena	7300	2/14	77	17.8	--	--
Galena Summit	8795	2/14	89	21.2	--	--
Jackson Peak	7000	2/18	85	25.0	--	--
Moores Creek Summit	6100	2/14	101	27.8	--	--
Mount Baldy	9000	2/14	74	16.1	22.0	16.4
Pierce Ranger Station	3170	2/14	53	13.7	--	--
Trinity Mountain	7780	2/18	106	34.5	--	--
Vienna Mine	8900	2/18	94	28.4	--	--

MARCH 15, 1975

Above Burke	4100	3/19	82	29.9	31.4	--
Atlanta Summit	7500	3/14	88	32.2	--	--
Bogus Basin	6120	3/13	70	25.5	31.5	--
Galena	7300	3/14	57	18.9	33.0	--
Galena Summit	8795	3/14	72	23.7	39.2	--
Jackson Peak	7000	3/14	79	28.8	--	--
Lookout	5250	3/14	100	36.5	48.2	--
Moores Creek Summit	6100	3/13	87	32.8	43.6	--
Mount Baldy	9000	3/14	61	17.7	30.0	19.7
Pierce Ranger Station	3170	3/14	40	14.6	17.8	11.1
Prairie	4900	3/15	20	6.5	8.6	--
Sherwin	3200	3/13	50	18.6	22.7	14.2
Trinity Mountain	7780	3/14	103	41.3	--	--
Vienna Mine	8900	3/14	89	33.3	--	--

APRIL 15, 1975

Aspen Grove	6600	4/14	51	16.2	--	--
Atlanta Summit	7500	4/18	123	45.9	54.2	--
Bad Bear	5500	4/15	52	18.5	19.5	--
Birch Creek	6800	4/14	52	19.1	--	--
Blue Ridge	6800	4/14	65	24.8	--	--
Bogus Basin	6120	4/11	101	36.9	34.2	--
Bogus Basin Road	5360	4/11	36	12.5	--	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average [b]
APRIL 15, 1975 (Cont'd)						
Bone	6200	4/14	28	10.2	--	--
Brockman Station	6430	4/14	42	14.0	--	--
Galena	7300	4/15	74	24.2	35.0	--
Galena Summit	8795	4/15	102	34.0	44.0	--
Graham Ranch	6200	4/15	53	17.3	--	--
Hell Creek	7100	4/14	54	19.8	--	--
Jackson Peak	7000	4/18	98	37.7	--	--
Moores Creek Summit	6100	4/14	114	42.5	50.6	31.7
Mount Baldy	9000	4/16	84	25.2	32.6	--
Mud Creek	7150	4/14	55	19.2	--	--
Pierce Ranger Station	3170	4/15	37	14.8	11.5	--
Prairie	4900	4/15	21	7.5	0.0	--
Sheep Mountain	6510	4/14	46	14.5	--	--
Tex Creek	6550	4/14	42	14.8	--	--
Trinity Mountain	7780	4/18	138	57.0	75.7	--
Vienna Mine	8900	4/18	127	46.7	--	--
MAY 15, 1975						
Aspen Grove	6600	5/15	39	15.2	--	--
Atlanta Summit	7500	5/13	113	50.3	--	--
Birch Creek	6800	5/15	35	15.9	--	--
Blue Ridge	6800	5/15	51	23.5	--	--
Bogus Basin	6120	5/14	87	38.5	--	--
Bogus Basin Road	5360	5/14	0	0.0	--	--
Brockman Station	6430	5/15	16	7.4	--	--
Hell Creek	7100	5/15	35	15.4	--	--
Jackson Peak	7000	5/13	96	43.2	--	--
Lookout	5250	5/15	80	41.0	34.2	--
Moores Creek Summit	6100	5/13	94	44.5	--	--
Mud Creek	7150	5/15	50	22.1	--	--
Sheep Mountain	6510	5/15	23	9.2	--	--
Tex Creek	6550	5/15	30	11.0	--	--
Trinity Mountain	7780	5/13	124	57.2	--	--
Vienna Mine	8900	5/13	113	51.7	--	--
EXTRA MEASUREMENTS - APRIL 22, 1975						
Aspen Grove	6600	4/22	48	16.5	--	--
Birch Creek	6800	4/22	46	17.5	--	--
Blue Ridge	6800	4/22	59	23.9	--	--
Bone	6200	4/22	22	8.5	--	--
Brockman Station	6430	4/22	36	13.3	--	--
Hell Creek	7100	4/22	50	20.0	--	--
Mud Creek	7150	4/22	52	19.4	--	--
Sheep Mountain	6510	4/22	40	14.5	--	--
Tex Creek	6550	4/22	38	13.0	--	--

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average 6

CORRECTIONS TO PREVIOUSLY PUBLISHED 1975 DATA

JANUARY 1, 1975						
Copes Camp (A)	7500	1/2	12	1.8	4.5	--
Hall Creek (A)	7560	1/2	7	1.0	3.4	--
Schwartz Lake (A)	8500	1/2	21	4.9	9.0	--
Wilson Creek (A)	7500	12/29	27	6.2	6.5	--
FEBRUARY 1, 1975						
Hemlock Butte	5500	1/30	126	33.4	53.0	32.8*
Red Point (A)	7940	2/5	13	4.0	3.7	--
South Mountain	6340	2/6	31	10.0	14.1	9.0
Wilson Creek (A)	7500	2/5	27	8.6	8.9	--
MARCH 1, 1975						
Bennett Mountain	6650	3/3	54	17.0	22.6	15.5*
Mount Baldy	9000	2/28	63	17.0	26.8	18.0
South Mountain	6340	2/25	45	14.0	16.2	11.3
APRIL 1, 1975						
Lower Home Canyon	7500	4/1	56	16.6	14.6	--
South Mountain	6340	3/26	63	20.5	17.6	12.4

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Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

States:

Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U.S. Army Engineers

U.S. Department of Agriculture
Forest Service
Agriculture Research Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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